

102869

Fr m: Chan, Christina  
S nt: Tuesday, September 02, 2003 2:59 PM  
To: Holleran, Anne; STIC-Biotech/ChemLib  
Subject: RE: RUSH sequence search for 09/234;208

Please rush. Thanks Chris

Chris Chan

TC 1600 New Hire Training Coordinator and SPE 1644  
308-3973  
CM-1, 9B19

ORF F

-----Original Message-----

From: Holleran, Anne  
Sent: Tuesday, September 02, 2003 2:51 PM  
To: Chan, Christina  
Subject: RUSH sequence search for 09/234,208

Please approve and forward to STIC the following RUSH sequence search request. This is for an amendment due this biweek. Thank you.

Please search the following for the 09/234,208:

interference databases, SEQ ID NO: 1(aa) and SEQ ID NO: 2(aa)

interference databases, SEQ ID NO: 1 (aa) and SEQ ID NO: 2 (aa), oligomer search

Anne Holleran  
AU: 1642  
Tel: 308-8892  
RM: 8e03

mailbox: 8e12

Searcher: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Location: \_\_\_\_\_  
Date Picked Up: \_\_\_\_\_  
Date Completed: \_\_\_\_\_  
Searcher Prep/Review: \_\_\_\_\_  
Clerical: \_\_\_\_\_  
Online time: \_\_\_\_\_

TYPE OF SEARCH:  
NA Sequences: \_\_\_\_\_  
AA Sequences: \_\_\_\_\_  
Structures: \_\_\_\_\_  
Bibliographic: \_\_\_\_\_  
Litigation: \_\_\_\_\_  
Full text: \_\_\_\_\_  
Patent Family: \_\_\_\_\_  
Other: \_\_\_\_\_

VENDOR/COST (where applic.)  
STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
Questel/Orbit: \_\_\_\_\_  
DRLink: \_\_\_\_\_  
Lexis/Nexis: \_\_\_\_\_  
Sequence Sys.: \_\_\_\_\_  
WWW/Internet: \_\_\_\_\_  
Other (specify): \_\_\_\_\_



GenCore version 5.1.6  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: September 3, 2003, 16:31:56 ; Search time 6.50402 Seconds  
(without alignments)  
513.922 Million cell updates/sec

Title: US-09-234-208B-1

Perfect score: 418  
Sequence: 1 GTHSLPRPAAVPLRMQP.....VGRGPDPAHVAVNLSTREYG 79

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%  
Listing first 45 summaries

Database :

Issued\_Patents\_AA:\*  
1: /cgn2\_6/ptodata/1/1aa/5A\_COMB.pep:\*  
2: /cgn2\_6/ptodata/1/1aa/5B\_COMB.pep:\*  
3: /cgn2\_6/ptodata/1/1aa/5A\_COMB.pep:\*  
4: /cgn2\_6/ptodata/1/1aa/5B\_COMB.pep:\*  
5: /cgn2\_6/ptodata/1/1aa/PCOTUS\_COMB.pep:\*  
6: /cgn2\_6/ptodata/1/1aa/Backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	418	100.0	79	4	US-09-630-155-1
2	418	100.0	419	4	US-09-630-155-2
3	83.5	20.0	888	4	US-09-077-940A-4
4	81.5	19.5	1257	1	US-08-340-428B-49
5	81	19.4	158	4	US-09-252-991A-24956
6	79	18.9	195	4	US-09-252-991A-29314
7	77	18.4	122	4	US-09-462-606-65
8	77	18.4	546	4	US-09-252-991A-19122
9	74	17.7	485	4	US-09-252-991A-31949
10	73.5	17.6	887	4	US-09-077-940A-2
11	72	17.2	440	3	US-08-430-286A-9
12	71.5	17.1	604	2	US-08-468-576B-12
13	71.5	17.1	604	2	US-08-468-576B-12
14	71.5	17.1	604	2	US-08-468-576B-12
15	71.5	17.1	2441	3	US-08-194-468-2
16	71.5	17.1	2441	3	US-08-194-468-2
17	71.5	17.1	2441	3	US-08-194-468-2
18	71	17.0	803	4	US-09-514-247A-8
19	70	16.7	2321	4	US-09-252-991A-30479
20	69.5	16.6	344	4	US-09-147-236-11
21	69.5	16.6	344	4	US-09-147-236-11
22	69.5	16.6	432	1	US-08-615-170-21
23	69.5	16.6	433	1	US-08-615-170-21
24	68.5	16.4	115	3	US-09-461-697-58
25	68.5	16.4	132	3	US-09-461-697-54
26	68.5	16.4	139	3	US-09-461-697-52
27	68.5	16.4	159	3	US-09-461-697-52

28	68.5	16.4	221	4	US-09-252-991A-26404	Sequence 26404, A
29	68	16.3	325	4	US-09-252-991A-26580	Sequence 26580, A
30	68	16.3	2972	4	US-09-579-181-2	Sequence 2, Appl1
31	68	16.3	3118	4	US-09-579-181-1	Sequence 1, Appl1
32	67.5	16.1	123	3	US-08-840-316-3	Sequence 3, Appl1
33	67.5	16.1	123	3	US-08-478-507-9	Sequence 9, Appl1
34	67.5	16.1	123	3	US-08-809-523-3	Sequence 3, Appl1
35	67.5	16.1	123	3	US-09-128-275A-9	Sequence 9, Appl1
36	67.5	16.1	123	3	US-08-471-971-3	Sequence 3, Appl1
37	67.5	16.1	123	4	US-09-553-427-9	Sequence 9, Appl1
38	67.5	16.1	123	4	US-09-462-606-13	Sequence 13, Appl1
39	67.5	16.1	123	4	US-09-462-606-59	Sequence 59, Appl1
40	67.5	16.1	123	4	US-09-462-606-60	Sequence 60, Appl1
41	67.5	16.1	123	4	US-09-462-606-62	Sequence 62, Appl1
42	67.5	16.1	123	4	US-09-462-606-63	Sequence 63, Appl1
43	67.5	16.1	123	4	US-09-462-606-64	Sequence 64, Appl1
44	67.5	16.1	123	4	US-09-402-776-3	Sequence 3, Appl1
45	67.5	16.1	123	4	US-09-172-699-4	Sequence 4, Appl1

#### ALIGNMENTS

```
RESULT 1
US-09-630-155-1
; Sequence 1, Application US/09630155
; Patent No. 6414130
GENERAL INFORMATION:
APPLICANT: Donerty, Joni Kristin and Gail M. Clinton
TITLE OF INVENTION: HER-2 BINDING ANTAGONISTS
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: DAVIS WRIGHT TREMAINE LLP
STREET: 1501 Fourth Avenue, 2600 Century Square
CITY: Seattle
STATE: Washington
COUNTRY: U.S.A.
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: PC compatible
OPERATING SYSTEM: Windows95
SOFTWARE: Word
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/630,155
FILING DATE: 16-Jan-2001
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Davyson, Barry L.
REGISTRATION NUMBER: 47,309
REFERENCE/DOCKET NUMBER: 49321-10
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206 628-7621
TELEFAX: 206 628-7699
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 79
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: HER-2 ECD antagonist
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-630-155-1
Query Match 100.0%; Score 418; DB 4; Length 79;
Best Local Similarity 100.0%; Pred. No. 6.6e-42;
Matches 79; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GTHSLPRPAAVPLRMQGPAPVLSFLRPSMDLVSFAFSLPLAPLSTVPSVSV 60
Db 1 GTHSLPRPAAVPLRMQGPAPVLSFLRPSMDLVSFAFSLPLAPLSTVPSVSV 60
QY 61 GRGPDPAHVAVNLSTREYG 79
```

DB 61 GRGPDPAHVAVNLSTREG 79

RESULT 2  
US-09-630-155-2

Sequence 2, Application US/09630155

Patent No. 6414130

GENERAL INFORMATION:

APPLICANT: Doherty, Joni Kristin and Gail M. Clinton

TITLE OF INVENTION: HER-2 BINDING ANTAGONISTS

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: DAVIS WRIGHT TREMAINE LLP

STREET: 1501 Fourth Avenue, 2600 Century Square

CITY: Seattle

STATE: Washington

COUNTRY: U.S.A.

ZIP: 98101

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: PC compatible

OPERATING SYSTEM: Windows95

SOFTWARE: Word

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/630,155

FILING DATE: 16-Jan-2001

CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Davison, Barry L.

REGISTRATION NUMBER: 47,309

REFERENCE/DOCKET NUMBER: 49321-10

TELECOMMUNICATION INFORMATION:

TELEPHONE: 206 628-7621

TELEFAX: 206 628-7699

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 419

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: unknown

MOLECULE TYPE: polypeptide

SEQUENCE DESCRIPTION: SEQ ID NO: 2:

US-09-630-155-2

Query Match 100.0%; Score 418; DB 4; Length 419;

Best Local Similarity 100.0%; Pred. No. 5,4e-41;

Matches 79; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTHSLPRRAVYVPLRMQPGPAHPLSLRPSMDLVSAFYSPLAPLSPTSPISPVSV 60

DB 341 GTHSLPRRAVYVPLRMQPGPAHPLSLRPSMDLVSAFYSPLAPLSPTSPISPVSV 400

QY 61 GRGPDPAHVAVNLSTREG 79

DB 401 GRGPDPAHVAVNLSTREG 419

RESULT 3

US-09-077-940A-4

Sequence 4, Application US/09077940A

Patent No. 6576441

GENERAL INFORMATION:

APPLICANT: KIMURA, Toru et al.

TITLE OF INVENTION: NOVEL SEMAPHORIN 2 AND GENE ENCODING THE SAME

FILE REFERENCE: 0020-4426P

CURRENT APPLICATION NUMBER: US/09/077,940A

CURRENT FILING DATE: 1998-06-05

NUMBER OF SEQ ID NOS: 20

SOFTWARE: PatentIn version 3.1

SEQ ID NO 4

LENGTH: 888

TYPE: PRT

ORGANISM: Homo sapiens

US-09-077-940A-4

Query Match 20.0%; Score 83.5; DB 4; Length 888;

Best Local Similarity 35.4%; Pred. No. 0.18;

Matches 28; Conservative 7; Mismatches 33; Indels 11; Gaps 5;

QY 1 GTH---SLPRRAVYVPLRMQPGPAHPLSLRPSMDLVSAFYSPLAPLSPTSPISPVSV 51

DB 698 GPHDLSGLPTEPTEPPLPQKRLPTP-HPHPALGPRAWDHGHPILLPASASSLLLLAPA 756

QY 52 SVIPSVYGRGPDPAHV 70

DB 757 RAPEQPPAGE-PTPDGRL 774

RESULT 4

US-08-340-428B-49

Sequence 49, Application US/08340428B

Patent No. 5648465

GENERAL INFORMATION:

APPLICANT: MARGOLIS, Richard U.

APPLICANT: RAUCH, Uwe

APPLICANT: MARGOLIS, Renee K.

TITLE OF INVENTION: CLONING, EXPRESSION AND USES FOR A

TITLE OF INVENTION: NEUROCAN AS A CHONDROITIN SULFATE PROTEOGLYCAN

NUMBER OF SEQUENCES: 49

CORRESPONDENCE ADDRESS:

ADDRESSEE: Broadway and Netmark

STREET: 419 Seventh Street, N.W.

CITY: Washington

STATE: D.C.

COUNTRY: U.S.A.

ZIP: 20004

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/340,428B

FILING DATE: 14 No. 5648465ember 1994

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/922,911

FILING DATE: 03 August 1992

CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:

NAME: Browdy, Roger L.

REGISTRATION NUMBER: 25,618

REFERENCE/DOCKET NUMBER: Margolis-1A

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-628-5197

TELEFAX: 202-737-3528

INFORMATION FOR SEQ ID NO: 49:

SEQUENCE CHARACTERISTICS:

LENGTH: 1257 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

US-08-340-428B-49

Query Match 19.5%; Score 81.5; DB 1; Length 1257;

Best Local Similarity 35.0%; Pred. No. 0.48;

Matches 28; Conservative 10; Mismatches 25; Indels 17; Gaps 5;

QY 4 SLPRRAVYVPLRMQPG---PAHPLSLR-----PSMDLVSAFYSPLAPLS--PT 51

DB 610 SSIPSEALSAVSLQSPGSGSPDFIVAMLRAPKLMLPHTLVVNSPIPLSPASPSPS 669

QY 52 SVP---ISPVSVGRGPD 67

DB 52 SVP---ISPVSVGRGPD 67

DB 670 SYPEQAVPVPSFG-AEDPE 688

## RESULT 5

US-09-252-991A-24956  
; Sequence 24956, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 24956  
; LENGTH: 158  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-24956

Query Match 19.4%; Score 81; DB 4; Length 158;  
Best Local Similarity 36.2%; Pred. No. 0.04;  
Matches 25; Conservative 8; Mismatches 28; Indels 8; Gaps 3;

QY 6 LPR-----AAVPLRMQPGPAHVLSFLRPSMDLVSAFYSLPL-APLSPTSPISV 58  
DB 87 LPSPPPPPPL 146  
QY 59 SV-GRGPP 66  
DB 147 SLSSSSPSP 155

## RESULT 6

US-09-252-991A-29314  
; Sequence 29314, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 29314  
; LENGTH: 195  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-29314

Query Match 18.9%; Score 79; DB 4; Length 195;  
Best Local Similarity 37.9%; Pred. No. 0.09;  
Matches 25; Conservative 1; Mismatches 30; Indels 10; Gaps 3;

QY 1 GTHSLPRPAAYPVPLRMQPGPAHVLSFLRPSMDLVSAFYSLPLAPLSPTSPISV 60  
DB 19 GRHTAPRAAVPDP---OPA-RHGPAPVRP-----RAAROPAGPALPLPTLPGRH 68  
QY 61 GRGPP 66  
DB 69 GRGPP 74

## RESULT 7

US-09-462-606-65  
; Sequence 65, Application US/09462606  
; Patent No. 6432408  
; GENERAL INFORMATION:  
; APPLICANT: MENG, XIANG-JIN  
; APPLICANT: Emerson, Suzanne U.  
; APPLICANT: Purcell, Robert H.  
; TITLE OF INVENTION: A SWINE HEPATITIS E VIRUS AND USES THEREOF  
; FILE REFERENCE: 20264267051  
; CURRENT APPLICATION NUMBER: US/09/462,606  
; CURRENT FILING DATE: 2000-06-12  
; PRIOR APPLICATION NUMBER: US 60/053069  
; PRIOR FILING DATE: 1997-07-18  
; PRIOR APPLICATION NUMBER: PCT/US98/14665  
; PRIOR FILING DATE: 1998-07-17  
; NUMBER OF SEQ ID NOS: 65  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 65  
; LENGTH: 122  
; TYPE: PRT  
; ORGANISM: Hepatitis E virus  
US-09-462-606-65

Query Match 18.4%; Score 77; DB 4; Length 122;  
Best Local Similarity 36.1%; Pred. No. 0.086;  
Matches 22; Conservative 10; Mismatches 23; Indels 6; Gaps 3;

QY 1 GTHSLPRPAAYPVPLRMQPGPAHVLSFLRPSMDLVSAFYSLPLAPLSPTSPISV 57  
DB 55 GATGILSPS--PSPFIQPTSLP-MSFHNFGLEALDSRAPLAPLAVTSPSAPLPP 111  
QY 58 V 58  
DB 112 V 112

## RESULT 8

US-09-252-991A-19122  
; Sequence 19122, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 19122  
; LENGTH: 546  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-19122

Query Match 18.4%; Score 77; DB 4; Length 546;  
Best Local Similarity 31.2%; Pred. No. 0.57;  
Matches 24; Conservative 14; Mismatches 25; Indels 14; Gaps 4;

QY 3 HSLPRPAAYPVPLRMQPGPAHVLSFLRPSMDLVSAFYSLPLAPLSPTSPISV 61  
DB 42 HALVGCGOLPTALRFPG--IPVAL-----QVLLQGLPARPVAPGAVOPARILRG 92  
QY 62 R-----GPDPAHVAVNL 74  
DB 93 RGLLAGADHEAHLGVHV 109

## RESULT 9

US-09-252-991A-31949  
Sequence 31949, Application US/09252991A  
Patent No. 6551795  
GENERAL INFORMATION:  
APPLICANT: Marc J. Rubenfield et al.  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
FILE REFERENCE: 107196.136  
CURRENT APPLICATION NUMBER: US/09/252,991A  
CURRENT FILING DATE: 1999-02-18  
PRIOR APPLICATION NUMBER: US 60/074,788  
PRIOR FILING DATE: 1998-02-18  
PRIOR APPLICATION NUMBER: US 60/094,190  
PRIOR FILING DATE: 1998-07-27  
NUMBER OF SEQ ID NOS: 33142  
SEQ ID NO 31949  
LENGTH: 495  
TYPE: PRT  
ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-31949

Query Match 17.7%; Score 74; DB 4; Length 495;  
Best Local Similarity 39.1%; Pred. No. 1.1;  
Matches 25; Conservative 9; Mismatches 24; Indels 6; Gaps 4;

OY 8 RPAVPVPLRMQPGPAHVSFL--RPSMDVSAFYSLPLAPLSTVSIPSVYGRGPD 65  
Db 284 RPAQPRP-GAGPGPARVATGVARPPAGDALAA--SARPARI-PTTIRSAAPPDAAPGA 339

OY 66 PDAH 69  
Db 340 PIPH 343

RESULT 10  
US-09-077-940A-2  
Sequence 2, Application US/09077940A  
Patent No. 6576441

GENERAL INFORMATION:

APPLICANT: KIMURA, Toru et al.

TITLE OF INVENTION: NOVEL SEMAPHORIN 2 AND GENE ENCODING THE SAME

FILE REFERENCE: 0020-4426P

CURRENT APPLICATION NUMBER: US/09/077,940A

CURRENT FILING DATE: 1998-06-05

NUMBER OF SEQ ID NOS: 20

SOFTWARE: PatentIn version 3.1

SEQ ID NO 2

LENGTH: 887

TYPE: PRT

ORGANISM: Rattus norvegicus

US-09-077-940A-2

Query Match 17.6%; Score 73.5; DB 4; Length 887;  
Best Local Similarity 36.0%; Pred. No. 2.7;

Matches 27; Conservative 6; Mismatches 31; Indels 11; Gaps 5;

OY 1 GTH-----SLRRPAVPVPLRMQPGPAHVSFLRP--SMD-----LVSAFYSLPLAPLST 51  
Db 699 GPHDLSCLPTPEGTPLPQKRLP-TTHPHAHALGPRAMDSHALLSASASTSILLAH 757

OY 52 SVPTS-PVSYGRGPD 65  
Db 758 RAPEOPPVPTESGPE 772

RESULT 11  
US-08-430-286A-9  
Sequence 9, Application US/08430286A  
Patent No. 6225080

GENERAL INFORMATION:

APPLICANT: Uhl, George R.

APPLICANT: Eppler, C. Mark

APPLICANT: Wang, Jai-Bel

TITLE OF INVENTION: Mu-Subtype Opioid Receptor  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Darby & Darby PC  
STREET: 805 Third Avenue  
CITY: New York  
STATE: New York  
COUNTRY: US

ZIP: 10022

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/430,286A

FILING DATE: 28-APR-1995

CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:

NAME: Robinson, Joseph R.

REGISTRATION NUMBER: 33,448

REFERENCE/DOCKET NUMBER: 0646/1A843-US5

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-527-7700

TELEFAX: 212-753-6237

TELEX: 236687

INFORMATION FOR SEQ ID NO: 9:

SEQUENCE CHARACTERISTICS:

LENGTH: 440 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

FRAGMENT TYPE: N-terminal

ORIGINAL SOURCE:

ORGANISM: Homo sapiens

IMMEDIATE SOURCE:

CLONE: OPB-R

US-08-430-286A-9

Query Match 17.2%; Score 72; DB 3; Length 440;  
Best Local Similarity 45.2%; Pred. No. 1.7;  
Matches 19; Conservative 5; Mismatches 10; Indels 8; Gaps 3;

OY 2 THSLRPAVPLRMQPGPAHVSFLRPSMDVSAFYSL 43  
Db 32 TASPSPASWTPSP---RPGPAHP---FLQPPMAV--ALMSL 65

RESULT 12  
US-08-468-576B-12  
Sequence 12, Application US/08468576B  
Patent No. 5955345

GENERAL INFORMATION:

APPLICANT: Rabin, Daniel

TITLE OF INVENTION: PANCREATIC ISLET CELL ANTIGENS

TITLE OF INVENTION: OBTAINED BY MOLECULAR CLONING

NUMBER OF SEQUENCES: 19

CORRESPONDENCE ADDRESS:

ADDRESSEE: Sprung Kramer Schaefer & Briscoe

STREET: 660 White Plains Road

CITY: Tarrytown

STATE: New York

COUNTRY: USA

ZIP: 10591-5144

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4 Mb storage

COMPUTER: Apple Macintosh

OPERATING SYSTEM: System 7.5

SOFTWARE: MotifPerfect

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/468,576B

FILING DATE: 06-JUN-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/239,276  
FILING DATE: 05-MAY-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/872,646  
FILING DATE: 08-JUN-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/715,181  
FILING DATE: 14-JUN-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/441,703  
FILING DATE: 04-DEC-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/312,543  
FILING DATE: 17-FEB-1989  
ATTORNEY/AGENT INFORMATION:  
NAME: KURT G. BRISCOE  
REGISTRATION NUMBER: 33,141  
REFERENCE/DOCKET NUMBER: MDI 251.7-KGB  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (914) 332-1700  
TELEFAX: (914) 332-1844  
INFORMATION FOR SEQ. ID NO: 12:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 604 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-468-576B-12

Query Match 17.1%; Score 71.5; DB 2; Length 604;  
Best Local Similarity 34.8%; Pred. No. 2.8;  
Matches 23; Conservative 13; Mismatches 27; Indels 3; Gaps 2;

QY 10 AAVPVLRQPGFAHVLRLRSMVLVSFAFSLPLAPLSPTSVPSV--SVGRPPDD 67  
DB 421 AAOPLLSRPTAEVKSFTPTQNLFPASKTSPVNLPKKSSIP-SPIGGSLGRSSLD 479  
QY 68 AHVAVN 73  
DB 480 ILSSLN 485

RESULT 13  
US-08-468-579B-12  
Sequence 12, Application US/08468579B  
Patent No. 5981700  
GENERAL INFORMATION:  
APPLICANT: Rabin, Daniel  
TITLE OF INVENTION: PANCREATIC ISLET CELL ANTIGENS  
TITLE OF INVENTION: OBTAINED BY MOLECULAR CLONING  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Sprung Kramer Schaefer & Briscoe  
STREET: 660 White Plains Road  
CITY: Tarrytown  
STATE: New York  
COUNTRY: USA  
ZIP: 10591-5144  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4 Mb storage  
OPERATING SYSTEM: System 7.5  
SOFTWARE: Wordperfect  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/468,579B  
FILING DATE: 06-JUN-1995  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/239,276  
FILING DATE: 05-MAY-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/872,646  
FILING DATE: 08-JUN-1992

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/715,181  
FILING DATE: 14-JUN-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/441,703  
FILING DATE: 04-DEC-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/312,543  
FILING DATE: 17-FEB-1989  
ATTORNEY/AGENT INFORMATION:  
NAME: KURT G. BRISCOE  
REGISTRATION NUMBER: 33,141  
REFERENCE/DOCKET NUMBER: MDI 251.5-KGB  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (914) 332-1700  
TELEFAX: (914) 332-1844  
INFORMATION FOR SEQ. ID NO: 12:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 604 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-468-579B-12

Query Match 17.1%; Score 71.5; DB 2; Length 604;  
Best Local Similarity 34.8%; Pred. No. 2.8;  
Matches 23; Conservative 13; Mismatches 27; Indels 3; Gaps 2;

QY 10 AAVPVLRQPGFAHVLRLRSMVLVSFAFSLPLAPLSPTSVPSV--SVGRPPDD 67  
DB 421 AAOPLLSRPTAEVKSFTPTQNLFPASKTSPVNLPKKSSIP-SPIGGSLGRSSLD 479  
QY 68 AHVAVN 73  
DB 480 ILSSLN 485

RESULT 14  
US-08-468-577B-12  
Sequence 12, Application US/08468577B  
Patent No. 6001804  
GENERAL INFORMATION:  
APPLICANT: Rabin, Daniel  
TITLE OF INVENTION: PANCREATIC ISLET CELL ANTIGENS  
TITLE OF INVENTION: OBTAINED BY MOLECULAR CLONING  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Sprung Kramer Schaefer & Briscoe  
STREET: 660 White Plains Road  
CITY: Tarrytown  
STATE: New York  
COUNTRY: USA  
ZIP: 10591-5144  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4 Mb storage  
OPERATING SYSTEM: System 7.5  
SOFTWARE: Wordperfect  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/468,577B  
FILING DATE: 06-JUN-1995  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/239,276  
FILING DATE: 05-MAY-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/872,646  
FILING DATE: 08-JUN-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/715,181  
FILING DATE: 14-JUN-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/441,703  
FILING DATE: 04-DEC-1989

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/312,543  
 FILING DATE: 17-FEB-1989  
 ATTORNEY/AGENT INFORMATION:  
 NAME: KURT G. BRISCOE  
 REGISTRATION NUMBER: 33,141  
 REFERENCE/DOCKET NUMBER: MDI 251.8-KGR  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (914) 332-1700  
 TELEFAX: (914) 332-1844  
 INFORMATION FOR SEQ. ID NO: 12:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 604 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear

Query Match	17.1%;	Score 71.5;	DB 3;	Length 604;
Best Local Similarity	34.8%;	Pred. No. 2.8;		
Matches 23;	Conservative 13;	Mismatches 27;	Indels 3;	Gaps 2.

QY 10 AAAPPLRMQGPAPHPVLSEFLRSPNVLVSAPYSLPLAPLSPTSPVSPV--SVGRGDDP 67  
 421 AAQPLNLSRKPTAEPVKSTPTQNLLFPAAKTSVPNLPNNKSIP--SPIGSLGRGSLD 479

QY	68	AHVAVN	73
		:::	!
Db	480	ILSSLN	485

RESULT 15  
US-08-194-468-2  
; Sequence 2, Application US/08194468  
; Date of Issuance 07/03/06

; GENERAL INFORMATION:

1 TITLE OF INVENTION: ASSAYS FOR THE IDENTIFICATION OF  
2  
3 TITLE OF INVENTION: COMPOUNDS WHICH INHIBIT ACTIVATION OF CAMP AND MITOGENE  
4  
5 TITLE OF INVENTION: RESPONSIVE GENES  
6  
7 NUMBER OF SEQUENCES: 3  
8  
9 CORRESPONDENCE ADDRESS:

```

: ADDRESS: Pretty, Schroeder, Brueggemann & Clark
: STREET: 444 South Flower Street, Suite 2000
: CITY: Los Angeles
: STATE: California
: COUNTRY: USA
: ZIP: 90071
:

```

```

?      COMPUTER READABLE FORM:
?      MEDIUM TYPE: Floppy disk
?      COMPUTER: IBM PC compatible
?      OPERATING SYSTEM: PC-DOS/MS-DOS
?      SOFTWARE: PatentIn Release #1.0, Version #1.25
?      CURRENT APPLICATION DATA:

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APPLICATION NUMBER: US/08/194,468  
FILING DATE: 10-FEB-1994  
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:  
NAME: Reiter, Stephen E.  
REGISTRATION NUMBER: 34 100

REGISTRATION NUMBER: 31,192  
REFERENCE/DOCKET NUMBER: P41 96722  
TELECOMMUNICATION INFORMATION:

TELEPHONE: (619)-546-4737  
TELEFAX: (619)-546-9392  
INFORMATION FOR SEQ ID NO: 3

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; INFORMATION FOR SEQ ID NO: 2
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; SEQUENCE CHARACTERISTICS:
;     LENGTH: 2441 amino acids

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; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein

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US-08-194-468-2

Query Match	17.18;	Score 71.5;	DB 1;	Length 2441;
Best Local Similarity	36.58;	Pred. No. 16;		

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Matches 23: Conservative 4; Mismatches 33; Indels 3; Gaps 2;
QY      4 SLLEPPRAVPVPLRMQGPANHVLSELRMSDWLSAFTSLPLAPLSPTSPVSPVSGRG 63
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Db      843 SOLPPRPVTOGRLHPTPPASTAAGM--PSLOHPTAPAPMTPPQAPAPTO--PSTPVSSGOT 899
          | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY      64 PDP 66
          | |
Db      900 PTP 902

Search completed: September 3, 2003, 16:42:09
Job time : 7.50402 secs

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Search completed: September 3, 2003, 16:42:09  
Job time : 7.50402 secs



GenCore version 5.1.6  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: September 3, 2003, 16:40:57 ; Search time 6.66265 Seconds  
(Without alignments)  
1628.029 Million cell updates/sec

Title: US-09-234-208b-1  
Perfect score: 418  
Sequence: 1 GTHSLRPAAVFPVLRMPQ.....VGRGPDPAHVAVNLSRYEG 79

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 513375 seqs, 137303645 residues

Total number of hits satisfying chosen parameters: 513375

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database : Listing first 45 summaries

Published\_Applications\_AA:\*  
1: /cgn2\_6/ptodata/1/pubppa/US07\_PUBCOMB.pep:\*  
2: /cgn2\_6/ptodata/1/pubppa/PCY\_NEW\_PUB.pep:\*  
3: /cgn2\_6/ptodata/1/pubppa/US06\_NEW\_PUB.pep:\*  
4: /cgn2\_6/ptodata/1/pubppa/US06\_PUBCOMB.pep:\*  
5: /cgn2\_6/ptodata/1/pubppa/US07\_NEW\_PUB.pep:\*  
6: /cgn2\_6/ptodata/1/pubppa/PCYUS\_PUBCOMB.pep:\*  
7: /cgn2\_6/ptodata/1/pubppa/US08\_NEW\_PUB.pep:\*  
8: /cgn2\_6/ptodata/1/pubppa/US09\_PUBCOMB.pep:\*  
9: /cgn2\_6/ptodata/1/pubppa/US09\_PUBCOMB.pep:\*  
10: /cgn2\_6/ptodata/1/pubppa/US09\_PUBCOMB.pep:\*  
11: /cgn2\_6/ptodata/1/pubppa/US09\_NEW\_PUB.pep:\*  
12: /cgn2\_6/ptodata/1/pubppa/US10\_PUBCOMB.pep:\*  
13: /cgn2\_6/ptodata/1/pubppa/US10\_PUBCOMB.pep:\*  
14: /cgn2\_6/ptodata/1/pubppa/US10\_PUBCOMB.pep:\*  
15: /cgn2\_6/ptodata/1/pubppa/US10\_PUBCOMB.pep:\*  
16: /cgn2\_6/ptodata/1/pubppa/US60\_NEW\_PUB.pep:\*  
17: /cgn2\_6/ptodata/1/pubppa/US60\_PUBCOMB.pep:\*  
18: /cgn2\_6/ptodata/1/pubppa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	86	20.6	459 11	US-09-468-147-206 Sequence 206, App
2	86	20.6	459 11	US-09-468-147-207 Sequence 207, App
3	83.5	20.0	888 11	US-09-931-836-35 Sequence 35, Appl
4	83.5	20.0	888 12	US-10-035-977-35 Sequence 35, Appl
5	83.5	20.0	888 12	US-10-137-870-544 Sequence 544, App
6	83.5	20.0	888 12	US-10-140-018-544 Sequence 544, App
7	83.5	20.0	888 12	US-10-140-021-544 Sequence 544, App
8	83.5	20.0	888 12	US-10-140-274-544 Sequence 544, App
9	83.5	20.0	888 12	US-10-140-471-544 Sequence 544, App
10	83.5	20.0	888 12	US-10-140-807-544 Sequence 544, App
11	83.5	20.0	888 12	US-10-140-922-544 Sequence 544, App
12	83.5	20.0	888 12	US-10-140-924-544 Sequence 544, App
13	83.5	20.0	888 12	US-10-140-926-544 Sequence 544, App
14	83.5	20.0	888 12	US-10-141-698-544 Sequence 544, App
15	83.5	20.0	888 12	US-10-141-702-544 Sequence 544, App

16	83.5	20.0	888 12	US-10-141-704-544 Sequence 544, App
17	83.5	20.0	888 12	US-10-142-421-544 Sequence 544, App
18	83.5	20.0	888 12	US-10-142-432-544 Sequence 544, App
19	83.5	20.0	888 12	US-10-142-767-544 Sequence 544, App
20	83.5	20.0	888 12	US-10-143-033-544 Sequence 544, App
21	83.5	20.0	888 12	US-10-144-994-544 Sequence 544, App
22	83.5	20.0	888 12	US-10-145-628-544 Sequence 544, App
23	83.5	20.0	888 12	US-10-145-631-544 Sequence 544, App
24	83.5	20.0	888 12	US-10-145-633-544 Sequence 544, App
25	83.5	20.0	888 12	US-10-145-746-544 Sequence 544, App
26	83.5	20.0	888 12	US-10-145-748-544 Sequence 544, App
27	83.5	20.0	888 12	US-10-145-823-544 Sequence 544, App
28	83.5	20.0	888 12	US-10-145-826-544 Sequence 544, App
29	83.5	20.0	888 12	US-10-145-870-544 Sequence 544, App
30	83.5	20.0	888 12	US-10-145-876-544 Sequence 544, App
31	83.5	20.0	888 12	US-10-145-959-544 Sequence 544, App
32	83.5	20.0	888 12	US-10-146-724-544 Sequence 544, App
33	83.5	20.0	888 12	US-10-146-725-544 Sequence 544, App
34	83.5	20.0	888 12	US-10-146-795-544 Sequence 544, App
35	83.5	20.0	888 12	US-10-147-495-544 Sequence 544, App
36	83.5	20.0	888 12	US-10-147-501-544 Sequence 544, App
37	83.5	20.0	888 12	US-10-147-504-544 Sequence 544, App
38	83.5	20.0	888 12	US-10-147-506-544 Sequence 544, App
39	83.5	20.0	888 12	US-10-147-509-544 Sequence 544, App
40	83.5	20.0	888 12	US-10-147-510-544 Sequence 544, App
41	83.5	20.0	888 12	US-10-147-511-544 Sequence 544, App
42	83.5	20.0	888 12	US-10-147-529-544 Sequence 544, App
43	83.5	20.0	888 12	US-10-152-397-544 Sequence 544, App
44	83.5	20.0	888 12	US-10-153-586-544 Sequence 544, App
45	83.5	20.0	888 12	US-10-158-783-544 Sequence 544, App

## ALIGNMENTS

RESULT 1  
US-09-468-147-206  
; Sequence 206, Application US/09468147A  
; Publication No. US20030049601A1  
GENERAL INFORMATION:  
; APPLICANT: Abbott Laboratories  
; APPLICANT: Schlauder, George G.  
; APPLICANT: Erker, James C.  
; APPLICANT: Desai, Suresh M.  
; APPLICANT: Dawson, George J.  
; APPLICANT: Mushahwar, I. K.  
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DETECTING  
; FILE REFERENCE: 6232, US, P1  
; CURRENT APPLICATION NUMBER: US/09/468,147A  
; CURRENT FILING DATE: 1999-12-21  
; EARLIER APPLICATION NUMBER: US 09/173,141  
; EARLIER FILING DATE: 1996-10-15  
; EARLIER APPLICATION NUMBER: US 60/061,199  
; EARLIER FILING DATE: 1997-10-15  
; NUMBER OF SEQ ID NOS: 258  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 206  
; LENGTH: 459  
; TYPE: PRT  
; ORGANISM: Hepatitis E Virus  
; FEATURE:  
; OTHER INFORMATION: CKSOF32M-3.pep  
US-09-468-147-206

Query Match 20.6%; Score 86; DB 11; Length 459;  
Best Local Similarity 34.2%; Pred. NO. 1.1;  
Matches 27; Conservative 12; Mismatches 28; Indels 12; Gaps 4;

OY 1 GTHSLRPAAVFPVLRMPQGPAAHVPVLSFLRPSMDVSAVYSLPLAPL---SPSVYISP 57  
DB 57 GTVGLIPLSP--DSPFIQTPPS-PPMSFNPGLELALDSRPAPLAPLAVGTVSPAPLP 113

QY 58 V-----SVGRGPPDAHV 70  
DB 114 VVDLPQLGRLRGADTAEL 132

## RESULT 2

US-09-468-147-207  
Sequence 207, Application US/09468147A  
Publication No. US20030049601A1  
GENERAL INFORMATION:  
APPLICANT: Abbott Laboratories  
APPLICANT: Schlauder, George G.  
APPLICANT: Erker, James C.  
APPLICANT: Desai, Suresh M.  
APPLICANT: Dawson, George J.  
APPLICANT: Mushahwar, I. K.  
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DETECTING  
FILE REFERENCE: 6232 US, P1  
CURRENT APPLICATION NUMBER: US/09/468,147A  
EARLIER FILING DATE: 1999-12-21  
EARLIER APPLICATION NUMBER: US 09/173,141  
EARLIER FILING DATE: 1998-10-15  
EARLIER APPLICATION NUMBER: US 60/061,199  
EARLIER FILING DATE: 1997-10-15  
NUMBER OF SEQ ID NOS: 258  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 207  
LENGTH: 459  
TYPE: PRT  
ORGANISM: Hepatitis E Virus  
FEATURE:  
OTHER INFORMATION: PLORF32M-14-5.pep  
US-09-468-147-207

Query Match 20.6%; Score 86; DB 11; Length 459;  
Best Local Similarity 34.2%; Pred. No. 1.1;  
Matches 27; Conservative 12; Mismatches 28; Indels 12; Gaps 4;

QY 1 GTHSLIPRAVAVPLRMOPGPAHPLVSLRPSMDLVSAFYSIPLAPL---SPTSVPISP 57  
DB 57 GYGLILSPS--PSPFIQPTPS-PPMSFHPGLELALDSRAPAPLAVLGVTSAPSAPLPP 113  
QY 58 V-----SVGRGPPDAHV 70  
DB 114 VVDLPQLGRLRGADTAEL 132

## RESULT 3

US-09-931-836-35  
Sequence 35, Application US/09931836  
Publication No. US20030027249A1  
GENERAL INFORMATION:  
APPLICANT: Desnoyers, Luc  
APPLICANT: Baton, Dan L.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Matanabe, Colin K.  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
TITLE OF INVENTION: ACIDS ENCODING THE SAME  
FILE REFERENCE: P3030R1C1  
CURRENT APPLICATION NUMBER: US/09/931,836  
CURRENT FILING DATE: 2001-08-16  
PRIOR APPLICATION NUMBER: 60/085579  
PRIOR FILING DATE: 1998-05-15  
PRIOR APPLICATION NUMBER: 60/112514  
PRIOR FILING DATE: 1998-12-15  
PRIOR APPLICATION NUMBER: 60/113300

PRIOR FILING DATE: 1998-12-22  
PRIOR APPLICATION NUMBER: 60/113430  
PRIOR FILING DATE: 1998-12-23  
PRIOR APPLICATION NUMBER: 60/113605  
PRIOR FILING DATE: 1998-12-23  
PRIOR APPLICATION NUMBER: 60/113621  
PRIOR FILING DATE: 1998-12-23  
PRIOR APPLICATION NUMBER: 60/114140  
PRIOR FILING DATE: 1998-12-23  
PRIOR APPLICATION NUMBER: 60/115552  
PRIOR FILING DATE: 1999-01-12  
PRIOR APPLICATION NUMBER: 60/116843  
PRIOR FILING DATE: 1999-01-22  
PRIOR APPLICATION NUMBER: 60/125774  
PRIOR FILING DATE: 1999-03-23  
PRIOR APPLICATION NUMBER: 60/125778  
PRIOR FILING DATE: 1999-03-23  
PRIOR APPLICATION NUMBER: 60/125826  
PRIOR FILING DATE: 1999-03-24  
PRIOR APPLICATION NUMBER: 60/127035  
PRIOR FILING DATE: 1999-03-31  
PRIOR APPLICATION NUMBER: 60/127706  
PRIOR FILING DATE: 1999-04-05  
PRIOR APPLICATION NUMBER: 60/129122  
PRIOR FILING DATE: 1999-04-13  
PRIOR APPLICATION NUMBER: 60/130359  
PRIOR FILING DATE: 1999-04-21  
PRIOR APPLICATION NUMBER: 60/131270  
PRIOR FILING DATE: 1999-04-27  
PRIOR APPLICATION NUMBER: 60/131272  
PRIOR FILING DATE: 1999-04-27  
PRIOR APPLICATION NUMBER: 60/131291  
PRIOR FILING DATE: 1999-04-27  
PRIOR APPLICATION NUMBER: 60/132371  
PRIOR FILING DATE: 1999-05-04  
PRIOR APPLICATION NUMBER: 60/132379  
PRIOR FILING DATE: 1999-05-04  
PRIOR APPLICATION NUMBER: 60/132383  
PRIOR FILING DATE: 1999-05-04  
PRIOR APPLICATION NUMBER: 60/135750  
PRIOR FILING DATE: 1999-05-25  
PRIOR APPLICATION NUMBER: 60/138166  
PRIOR FILING DATE: 1999-06-08  
PRIOR APPLICATION NUMBER: 60/144791  
PRIOR FILING DATE: 1999-07-20  
PRIOR APPLICATION NUMBER: 60/146970  
PRIOR FILING DATE: 1999-08-03  
PRIOR APPLICATION NUMBER: 60/162506  
PRIOR FILING DATE: 1999-10-29  
PRIOR APPLICATION NUMBER: 09/311832  
PRIOR FILING DATE: 1999-05-14  
PRIOR APPLICATION NUMBER: 09/380142  
PRIOR FILING DATE: 1999-08-25  
PRIOR APPLICATION NUMBER: 09/644848  
PRIOR FILING DATE: 2000-08-22  
PRIOR APPLICATION NUMBER: 09/747259  
PRIOR FILING DATE: 2000-12-20  
PRIOR APPLICATION NUMBER: 09/816744  
PRIOR FILING DATE: 2001-03-22  
PRIOR APPLICATION NUMBER: 09/854208  
PRIOR FILING DATE: 2001-05-10  
PRIOR APPLICATION NUMBER: 09/854280  
PRIOR FILING DATE: 2001-05-10  
PRIOR APPLICATION NUMBER: 09/874503  
PRIOR FILING DATE: 2001-06-05  
PRIOR APPLICATION NUMBER: 09/869599  
PRIOR FILING DATE: 2001-06-29  
PRIOR APPLICATION NUMBER: 09/908,827  
PRIOR FILING DATE: 2001-07-18  
PRIOR APPLICATION NUMBER: PCT/US99/10733  
PRIOR FILING DATE: 1999-05-14  
PRIOR APPLICATION NUMBER: PCT/US99/28551  
PRIOR FILING DATE: 1999-12-02

PRIOR APPLICATION NUMBER: PCT/US99/30720  
PRIOR FILING DATE: 1999-12-22  
PRIOR APPLICATION NUMBER: PCT/US00/05601  
PRIOR FILING DATE: 2000-03-01  
PRIOR APPLICATION NUMBER: PCT/US00/05841  
PRIOR FILING DATE: 2000-03-02  
PRIOR APPLICATION NUMBER: PCT/US00/14042  
PRIOR FILING DATE: 2000-05-22  
PRIOR APPLICATION NUMBER: PCT/US00/15264  
PRIOR FILING DATE: 2000-06-02  
PRIOR APPLICATION NUMBER: PCT/US00/23522  
PRIOR FILING DATE: 2000-08-23  
PRIOR APPLICATION NUMBER: PCT/US00/23328  
PRIOR FILING DATE: 2000-08-24  
PRIOR APPLICATION NUMBER: PCT/US00/32678  
PRIOR FILING DATE: 2000-12-01  
PRIOR APPLICATION NUMBER: PCT/US00/34956  
PRIOR FILING DATE: 2000-12-20  
PRIOR APPLICATION NUMBER: PCT/US01/06520  
PRIOR FILING DATE: 2001-08-28  
PRIOR APPLICATION NUMBER: PCT/US01/17800  
PRIOR FILING DATE: 2001-06-01  
PRIOR APPLICATION NUMBER: PCT/US01/19692  
PRIOR FILING DATE: 2001-06-20  
PRIOR APPLICATION NUMBER: PCT/US01/21066  
PRIOR FILING DATE: 2001-06-29  
PRIOR APPLICATION NUMBER: PCT/US01/21735  
PRIOR FILING DATE: 2001-07-09  
NUMBER OF SEQ ID NOS: 80  
SEQ ID NO 35  
LENGTH: 888  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-09-931-836-35

Query Match 20.0%; Score 83.5; DB 11; Length 888;  
Best Local Similarity 35.4%; Pred. NO. 3.8;  
Matches 28; Conservative 7; Mismatches 33; Indels 11; Gaps 5;

QY 1 GTH----SLPRPAVPYPLMOPGPAHVLVSFLRP--SMD---LVSAFVSLPLAPLSPT 51  
DB 698 GPHLDGLPLTPPQOTPLPOKRLPTP--HPHPALGPRAMDHGHPULPASASSLLILLAPA 756  
QY 52 SVPISPVSVGRGPPDAHV 70  
DB 757 RAPEQPPAPGE-PTPDSRL 774

RESULT 4  
US-10-035-977-35  
Sequence 35, Application US/10035977  
Publication No. US20030134327A1  
GENERAL INFORMATION:  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3030R1C10  
CURRENT FILING DATE: US/10/035, 977  
PRIOR APPLICATION NUMBER: 2001-12-26  
PRIOR FILING DATE: 1998-05-15  
PRIOR APPLICATION NUMBER: 60/112514  
PRIOR FILING DATE: 1998-12-15  
PRIOR APPLICATION NUMBER: 60/113300

PRIOR FILING DATE: 1998-12-22  
PRIOR APPLICATION NUMBER: 60/113430  
PRIOR FILING DATE: 1998-12-23  
PRIOR APPLICATION NUMBER: 60/113605  
PRIOR FILING DATE: 1998-12-23  
PRIOR APPLICATION NUMBER: 60/113621  
PRIOR FILING DATE: 1998-12-23  
PRIOR APPLICATION NUMBER: 60/114140  
PRIOR FILING DATE: 1998-12-23  
PRIOR APPLICATION NUMBER: 60/115552  
PRIOR FILING DATE: 1999-01-12  
PRIOR APPLICATION NUMBER: 60/116843  
PRIOR FILING DATE: 1999-01-22  
PRIOR APPLICATION NUMBER: 60/125774  
PRIOR FILING DATE: 1999-03-23  
PRIOR APPLICATION NUMBER: 60/125778  
PRIOR FILING DATE: 1999-03-23  
PRIOR APPLICATION NUMBER: 60/125826  
PRIOR FILING DATE: 1999-03-24  
PRIOR APPLICATION NUMBER: 60/127035  
PRIOR FILING DATE: 1999-03-31  
PRIOR APPLICATION NUMBER: 60/127706  
PRIOR FILING DATE: 1999-04-05  
PRIOR APPLICATION NUMBER: 60/129122  
PRIOR FILING DATE: 1999-04-13  
PRIOR APPLICATION NUMBER: 60/130359  
PRIOR FILING DATE: 1999-04-21  
PRIOR APPLICATION NUMBER: 60/131270  
PRIOR FILING DATE: 1999-04-27  
PRIOR APPLICATION NUMBER: 60/131272  
PRIOR FILING DATE: 1999-04-27  
PRIOR APPLICATION NUMBER: 60/131291  
PRIOR FILING DATE: 1999-04-27  
PRIOR APPLICATION NUMBER: 60/132371  
PRIOR FILING DATE: 1999-05-04  
PRIOR APPLICATION NUMBER: 60/132379  
PRIOR FILING DATE: 1999-05-04  
PRIOR APPLICATION NUMBER: 60/133383  
PRIOR FILING DATE: 1999-05-04  
PRIOR APPLICATION NUMBER: 60/135750  
PRIOR FILING DATE: 1999-05-25  
PRIOR APPLICATION NUMBER: 60/138166  
PRIOR FILING DATE: 1999-06-08  
PRIOR APPLICATION NUMBER: 60/144791  
PRIOR FILING DATE: 1999-07-20  
PRIOR APPLICATION NUMBER: 60/146970  
PRIOR FILING DATE: 1999-08-03  
PRIOR APPLICATION NUMBER: 60/162506  
PRIOR FILING DATE: 1999-10-29  
PRIOR APPLICATION NUMBER: 09/311832  
PRIOR FILING DATE: 1999-05-14  
PRIOR APPLICATION NUMBER: 09/380142  
PRIOR FILING DATE: 1999-08-25  
PRIOR APPLICATION NUMBER: 09/644848  
PRIOR FILING DATE: 2000-08-22  
PRIOR APPLICATION NUMBER: 09/747259  
PRIOR FILING DATE: 2000-12-20  
PRIOR APPLICATION NUMBER: 09/816744  
PRIOR FILING DATE: 2001-03-22  
PRIOR APPLICATION NUMBER: 09/854208  
PRIOR FILING DATE: 2001-05-10  
PRIOR APPLICATION NUMBER: 09/854280  
PRIOR FILING DATE: 2001-05-10  
PRIOR APPLICATION NUMBER: 09/874503  
PRIOR FILING DATE: 2001-06-05  
PRIOR APPLICATION NUMBER: 09/86599  
PRIOR FILING DATE: 2001-06-29  
PRIOR APPLICATION NUMBER: 09/908, 827  
PRIOR FILING DATE: 2001-07-18  
PRIOR APPLICATION NUMBER: PCT/US99/10733  
PRIOR FILING DATE: 1999-05-14  
PRIOR APPLICATION NUMBER: PCT/US99/28551  
PRIOR FILING DATE: 1999-12-02



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Sequence 544, Application US/10140021
Publication No. US2003013886A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumanas, Daniel
APPLICANT: Watanabe, Collin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C167
CURRENT APPLICATION NUMBER: US/10/140,021
CURRENT FILING DATE: 2002-05-06
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 544
LENGTH: 888
TYPE: PRT
ORGANISM: Homo Sapien
US-10-140-021-544

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Query Match	20.0%	Score 83.5	DB 12	Length 888
Best Local Similarity	35.4%	Pred. No. 3.8		
Matches	28	Conservative	7	Indels 11; Gaps 5
QY	1	GTH-----SLLRPAAVPYPLRMQPPAPHPVLSFLRP-SMD-----LVSAFYSLPLAPLST	51	
DB	698	GPHOLDGLLTPEOTPLPQRKLPRP-PPHPALGPRMWDGHPPLPAPASSSSILLPLA	756	
QY	52	SVPSIPVSVGRGPPDAHV	70	
DB	757	RAPEQPPAPGE-PPPDGRLL	774	

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: RESULT 8
: US-10-140-274-544
: Sequence 544, Application US/10140274
: Publication No. US2005014367A1
: GENERAL INFORMATION:
: APPLICANT: Baker, Kevin P.
: APPLICANT: Beresini, Maureen
: APPLICANT: DeForge, Laura
: APPLICANT: Desnoyers, Luc
: APPLICANT: Filvaroff, Ellen
: APPLICANT: Gao, Wei-Qiang
: APPLICANT: Gerritsen, Mary E.
: APPLICANT: Goddard, Audrey
: APPLICANT: Godowski, Paul J.
: APPLICANT: Gurney, Austin L.
: APPLICANT: Sherwood, Steven
: APPLICANT: Smith, Victoria
: APPLICANT: Stewart, Timothy A.
: APPLICANT: Tumas, Daniel
: APPLICANT: Watanabe, Colin K
: APPLICANT: Wood, William
: APPLICANT: Zhang, Zhenli
: TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
: TITLE OF INVENTION: ACIDS ENCODING THE SAME
: FILE REFERENCE: P330810161
: CURRENT APPLICATION NUMBER: US/10/140,274
: CURRENT FILING DATE: 2002-05-06

```

```

: Prior Application removed - See File Wrapper or Patent
:
: NUMBER OF SEQ ID NOS: 550
:
: SEQ ID NO 544
:
: LENGTH: 888
:
: TYPE: PRT
:
: ORGANISM: Homo Sapien
:
: US-10-140-274-544

```

Query Match	20.0%	Score 83.5	DB 12	Length 888
Similarity	35.4%	Pred. NO. 3.8		
Matches	28	Conservative 7	Mismatches 33	Indels 11
			Gaps 5	
QY	1	GTH-----SLRRPAAYPVPLRMQPPAPVLSLRP-SMD-----LVSAFYSLPLAPLSPT	51	
		:   :		
Db	698	GPHDLSGLPTPEQTPPLDQKRLTP-HPHNAIGPRAMDCHPLPAPASSSLLTLAPA	756	
QY	52	SVPISPVSVGRGPPDAHY	70	
Db	757	RAPEQPPAPGE-PTPDGRLL	774	

```

RESULT 9
US-10-140-471-544
; Sequence 544, Application US/10140471
; Publication No. US20030138887A1
; GENERAL INFORMATION:

```

```

APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C163
CURRENT APPLICATION NUMBER: US/10/140,471
CURRENT FILING DATE: 2002-05-06
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 544
LENGTH: 888
TYPE: PRT
ORGANISM: Homo Sapien
US-10-140-471-544

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Query Match Similarity      20.0%; Score 83.5; Db 12; length. 888;
Best Local Similarity      35.4%; Pred. No. 3.8;
Matches      28; Conservative      7; Mismatches      33; Indels      11; Gaps      5

QY      1 GTH---SLRPRAVPVRLRMQRPANRVLSFLRP-SWD---LVSATYSLPLAPLPT 51
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      698 GRHLDLSCLLRPTEQRLPQKRLYPR-NPHNALGRPAMDHGHRLPLPASASSLLLLAPA 756
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |

QY      52 SVPLSPVSVGGRPPDDAHV 70
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      757 RAPQPPAPGE-PTPDGRL 774
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |

RESULT 10
US-10-140-807-544
; Sequence 544, Application US/10140807
; Publication No. US20030134354A1

```



```

APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P330R1C187
CURRENT APPLICATION NUMBER: US/10/140,926
CURRENT FILING DATE: 2002-05-07
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 350
SEQ ID NO 544
LENGTH: 888
TYPE: PRT
ORGANISM: Homo Sapien
US-10-140-926-544

```

[illegible]

```

RESULT 14
US-10-141-698-544
; Sequence 544, Application US/10141698
; Publication No. US20030134357A1
; GENERAL INFORMATION:

```

APPLICANT: Baker, Kevin P.  
 APPLICANT: Beresini, Maureen  
 APPLICANT: Defoyre, Laura  
 APPLICANT: Desnoyers, Luc  
 APPLICANT: Filvaroff, Ellen  
 APPLICANT: Gao, Mei-Qiang  
 APPLICANT: Gerritsen, Mary E.  
 APPLICANT: Goddard, Audrey  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Gurney, Austin L.  
 APPLICANT: Sherwood, Steven  
 APPLICANT: Smith, Victoria  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tumas, Daniel  
 APPLICANT: Watanabe, Collin K  
 APPLICANT: Wood, William  
 APPLICANT: Zhang, Zemin  
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ACIDS ENCODING THE SAME  
 FILE REFERENCE: P330R1C206  
 CURRENT APPLICATION NUMBER: US/10/141,698  
 CURRENT FILING DATE: 2002-05-08  
 Prior Application removed - See Palm or File Wrapper  
 NUMBER OF SEQ ID NOS: 550  
 SEQ ID NO 544  
 LENGTH: 888

```

; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-141-698-544

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Query Match	20.0%;	Score 83.5;	DB 12;	Length 888;
Best Local Similarity	35.4%;	Pred. No. 3.8;		
Matches	28;	Conservative	7;	Mismatches 33;
				Indels 11;
				Gaps 5;

OY I GTH----SLIPRAAVPVPLMQPRAHPVLSFLRR-SMD-----LYSAFYSLPLAPLSPT 51  
| | |||| : : | | | | : : | | : :  
Db 698 GRHGLDSGLPTPEQTPRLPKRLPIIR-HPRHNAIGRAWMGHNPILLPASASSLLLLAPA 756

```
QY      52  SVPISPVSGRGPDDPAHV  70
          | : | | | :
Db      757  RAPEQPAPGE-PTPDGRL  774
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RESULT 15  
US-10-141-702-544  
; Sequence 544, Application US/10141702  
; Publication No. US20030134358A1  
; GENERAL INFORMATION:

```

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Collin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C208
CURRENT APPLICATION NUMBER: US/10/141,702
CURRENT FILING DATE: 2002-05-08
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 544
LENGTH: 888
TYPE: PRT
ORGANISM: Homo Sapien
US-10-141-702-544

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Query Match	20.0%;	Score 83.5;	DB 12;	Length 888;
Best Local Similarity	35.4%;	Pred. No. 3.8;		
Matches 28;	Conservative	7;	Mismatches 33;	Indels 11;
				Gaps 5

OY 1 GTH---SLIPRAAVPVRLMQGRANHYLSFLRP-SWD----LYSAFYSLAPLAPSPT 51  
| | ||| : : | | | : : | : | : |  
Db 698 GRHLDLSGLLPTEQTRLPLQKRLPYR-HPRHNALGRAWMDGHPLLRASASSLLLAFA 756

```
QY      52  SVPIPVSVGRGPPDAHV  70
          | : | | |
Db      757 RAPEQPPAPGE-PTPDGRL  774
```

Search completed: September 3, 2003, 16:49:10  
Job time : 8.66265 secs





GenCore version 5.1.6  
Copyright (c) 1993 - 2003 Compugen Ltd.

## OM protein - protein search, using sw model

Run on: September 3, 2003, 16:31:56 ; Search time 34.496 Seconds  
(without alignments)  
513.922 Million cell updates/sec

Title: US-09-234-208B-2  
Perfect score: 2287  
Sequence: 1 MELALCRWGLLALPPGA.....VGRGPDPAHVAVNLRYEG 419

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

## Database :

Issued\_Patents\_AA:\*  
1: /cgn2.6/ptodata/1/1aa/5A.CONB.pep:\*  
2: /cgn2.6/ptodata/1/1aa/5B.CONB.pep:\*  
3: /cgn2.6/ptodata/1/1aa/6A.CONB.pep:\*  
4: /cgn2.6/ptodata/1/1aa/6B.CONB.pep:\*  
5: /cgn2.6/ptodata/1/1aa/PTUS.CONB.pep:\*  
6: /cgn2.6/ptodata/1/1aa/Dacfilles1.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2287	100.0	419	4	US-09-630-155-2
2	1878	82.1	782	2	US-09-146-283-4
3	1878	82.1	782	3	US-08-579-823A-4
4	1878	82.1	782	3	US-09-344-195-4
5	1878	82.1	1255	1	US-08-467-083-68
6	1878	82.1	1255	1	US-08-414-417B-68
7	1878	82.1	1255	2	US-08-484-438-8
8	1878	82.1	1255	2	US-08-486-348A-68
9	1878	82.1	1255	2	US-08-625-101-2
10	1878	82.1	1255	2	US-08-468-545B-68
11	1878	82.1	1255	2	US-08-356-786-2
12	1878	82.1	1255	3	US-08-466-680B-68
13	1878	82.1	1255	4	US-09-527-487-2
14	1769	77.4	624	3	US-08-422-108-1
15	1769	77.4	624	4	US-08-422-734-1
16	793	34.7	644	1	US-08-336-708A-9
17	793	34.7	1210	2	US-08-484-438-7
18	793	34.7	1210	2	US-08-475-035-4
19	775	33.9	911	2	US-08-484-438-10
20	775	33.9	1058	2	US-08-484-438-4
21	775	33.9	1308	2	US-08-484-438-2
22	773	33.8	478	4	US-09-570-454-2
23	773	33.8	478	4	US-09-867-521-2
24	735.5	32.2	1342	2	US-07-978-895-4
25	735.5	32.2	1342	2	US-08-484-438-9
26	735.5	32.2	1342	2	US-08-473-119-4
27	735.5	32.2	1342	2	US-08-475-352-4

28	734	32.1	1343	6	5183884-4	Patent No. 5183884
29	493	21.6	97	1	US-08-421-356-3	Sequence 3, Appl
30	493	21.6	97	4	US-09-046-783-3	Sequence 3, Appl
31	418	18.3	79	4	US-09-630-155-1	Sequence 1, Appl
32	264.5	11.6	1382	2	US-08-737-715-2	Sequence 2, Appl
33	264.5	11.6	1382	2	US-09-457-040B-7	Sequence 7, Appl
34	257.5	11.3	516	3	US-08-746-559A-4	Sequence 4, Appl
35	257.5	11.3	1367	2	US-08-249-687C-2	Sequence 2, Appl
36	257.5	11.3	1367	2	US-08-625-819-2	Sequence 2, Appl
37	257.5	11.3	1367	3	US-08-746-559A-2	Sequence 2, Appl
38	257.5	11.3	1367	4	US-08-864-641B-18	Sequence 18, Appl
39	241.5	10.6	486	3	US-08-746-559A-5	Sequence 5, Appl
40	210.5	9.2	383	3	US-08-857-076-105	Sequence 105, App
41	203	8.9	1724	3	US-08-857-076-12	Sequence 12, Appl
42	196	8.6	366	3	US-08-857-076-103	Sequence 103, App
43	184.5	8.1	370	3	US-08-857-076-104	Sequence 104, App
44	147.5	6.4	381	3	US-08-857-076-106	Sequence 106, App
45	142	6.2	1940	2	US-08-644-271-30	Sequence 30, Appl

## ALIGNMENTS

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RESULT 1
; Sequence 2, Application US/09630155
; Patent No. 6414130
;
GENERAL INFORMATION:
; APPLICANT: Donerty, Joni Kristin and Gail M. Clinton
; TITLE OF INVENTION: HER-2 BINDING ANTAGONISTS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESS: DAVIS WRIGHT TREMAINE LLP
; STREET: 1501 Fourth Avenue, 2600 Century Square
; CITY: Seattle
; STATE: Washington
; COUNTRY: U.S.A.
; ZIP: 98101
;
COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: PC compatible
; OPERATING SYSTEM: Windows95
; SOFTWARE: Word
;
CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/630,155
; FILING DATE: 16-Jan-2001
; CLASSIFICATION: <unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Davison, Barry L.
; REGISTRATION NUMBER: 47,309
; REFERENCE/DOCKET NUMBER: 49321-10
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206 628-7621
; TELEFAX: 206 628-7699
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 419
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: polypeptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-630-155-2

Query Match      100.0%; Score 2287; DB 4; Length 419;
Best Local Similarity 100.0%; Pred. No. 3.5e-192;
Matches 419; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MELALCRWGLLALPPGAStovcgtDKRLRPASpETHLDLRLRYGCGVQGNL 60
Db      1 MELALCRWGLLALPPGAStovcgtDKRLRPASpETHLDLRLRYGCGVQGNL 60
QY      61 ELTYLPTNASLFLDIOEVQGYVLIANNOVROYVLRRLRIVRGTLQFEDNYALAVLDNG 120
```

Db 61 ELTYLPTNASLSFLDIOEVGVYLIANHVRQVPLQRLRYRGTLFEDNVALAVLNG 120  
QY 121 DPLNNTTPTVGTASPGGLRELOLRSLTEILKGVLIQRNPOLCYODTILMKDIFHKNNOA 180  
Db 121 DPLNNTTPTVGTASPGGLRELOLRSLTEILKGVLIQRNPOLCYODTILMKDIFHKNNOA 180  
QY 181 LTLIDTNSRACHPCSPCKGSRGCESEDCQSLTRFYVAGGACARCKGPLPTDCHBQC 240  
Db 181 LTLIDTNSRACHPCSPCKGSRGCESEDCQSLTRFYVAGGACARCKGPLPTDCHBQC 240  
QY 241 AAGCTGPRHSDCLACLNHNSGICELHCPALVTYNTDFFESMPNPEGRTTGASCVTACP 300  
Db 241 AAGCTGPRHSDCLACLNHNSGICELHCPALVTYNTDFFESMPNPEGRTTGASCVTACP 300  
QY 301 YNYLSTDVGSCTLVCPPLHNOEVTADGTORCEKSKPCARGTSLPRPAVPLRMQP 360  
Db 301 YNYLSTDVGSCTLVCPPLHNOEVTADGTORCEKSKPCARGTSLPRPAVPLRMQP 360  
QY 361 GPAHVLSFLRPSMDLVSAFYSPLAPLSPISVPSVGRGPDPAHVAVNLRYEG 419  
Db 361 GPAHVLSFLRPSMDLVSAFYSPLAPLSPISVPSVGRGPDPAHVAVNLRYEG 419

## RESULT 2

US-09-146-283-4  
; Sequence 4, Application US/09146283  
; Patent No. 5976546  
; GENERAL INFORMATION:  
; APPLICANT: Laus, Reiner  
; APPLICANT: Ruegg, Curtis L.  
; APPLICANT: Wu, Hongyu  
; TITLE OF INVENTION: Immunostimulatory Compositions  
; NUMBER OF SEQUENCES: 10  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Denlinger & Associates  
; STREET: 350 Cambridge Ave. Suite 250  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94306  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/146,283  
; FILING DATE: 03-SEPT-1998  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Judge, Linda R.  
; REGISTRATION NUMBER: 42,702  
; REFERENCE/DOCKET NUMBER: 7636-0010.21  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650-324-0880  
; TELEFAX: 650-324-0960  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 782 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHEICAL: NO  
; ORIGINAL SOURCE:  
; ORGANISM: homo sapiens  
; INDIVIDUAL ISOLATE: GM-CSF-Her-2 fusion protein; Fig. 8  
US-09-146-283-4

Query Match 82.1%; Score 1878; DB 2; Length 782;  
Best Local Similarity 83.0%; Pred. No. 5, le-156;  
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELALCFWGLLALLPFGAASSTOYCTGDMKRLRPLASPEETHLDMRLHLYOGCCVYOGNL 60  
Db 1 MELALCFWGLLALLPFGAASSTOYCTGDMKRLRPLASPEETHLDMRLHLYOGCCVYOGNL 60  
QY 61 ELTYLPTNASLSFLDIOEVGVYLIANHVRQVPLQRLRYRGTLFEDNVALAVLNG 120  
Db 61 ELTYLPTNASLSFLDIOEVGVYLIANHVRQVPLQRLRYRGTLFEDNVALAVLNG 120  
QY 121 DPLNNTTPTVGTASPGGLRELOLRSLTEILKGVLIQRNPOLCYODTILMKDIFHKNNOA 180  
Db 121 DPLNNTTPTVGTASPGGLRELOLRSLTEILKGVLIQRNPOLCYODTILMKDIFHKNNOA 180  
QY 181 LTLIDTNSRACHPCSPCKGSRGCESEDCQSLTRFYVAGGACARCKGPLPTDCHBQC 240  
Db 181 LTLIDTNSRACHPCSPCKGSRGCESEDCQSLTRFYVAGGACARCKGPLPTDCHBQC 240  
QY 241 AAGCTGPRHSDCLACLNHNSGICELHCPALVTYNTDFFESMPNPEGRTTGASCVTACP 300  
Db 241 AAGCTGPRHSDCLACLNHNSGICELHCPALVTYNTDFFESMPNPEGRTTGASCVTACP 300  
QY 301 YNYLSTDVGSCTLVCPPLHNOEVTADGTORCEKSKPCAR---GTHSLPRPAVVP 355  
Db 301 YNYLSTDVGSCTLVCPPLHNOEVTADGTORCEKSKPCARCYGGMHLEVRVAVTSAN 360  
QY 356 LRMQPG--PAHVLSFLRPSMDLVSAFYSPLAPLSPISVPI-----SPVSVGRGPD 405  
Db 361 IQEFAKCKKIRGSLAFPESEFDGDPASNT---APLQPOLQVFTLEETITGYLYTSAMPD 417  
QY 406 --PDAHVAVNLRYEG 419  
Db 418 SLPLDVSFQNLQVING 433

## RESULT 3

US-08-579-823A-4  
; Sequence 4, Application US/08579823A  
; Patent No. 6080409  
; GENERAL INFORMATION:  
; APPLICANT: Laus, Reiner  
; APPLICANT: Ruegg, Curtis L.  
; APPLICANT: Wu, Hongyu  
; TITLE OF INVENTION: Immunostimulatory Composition and Method  
; NUMBER OF SEQUENCES: 10  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Denlinger & Associates  
; STREET: 350 Cambridge Ave. Suite 250  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94306  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/579,823A  
; FILING DATE: 03-DEC-1998  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Judge, Linda R.  
; REGISTRATION NUMBER: 42,702  
; REFERENCE/DOCKET NUMBER: 7636-0010  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650-324-0880  
; TELEFAX: 650-324-0960  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 782 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; HYPOTHEICAL: NO

ORIGINAL SOURCE:  
ORGANISM: homo sapiens  
INDIVIDUAL ISOLATE: GM-CSF-Her-2 fusion protein; Fig. 8  
US-08-579-823A-4

Query Match 82.1%; Score 1878; DB 3; Length 782;  
Best Local Similarity 83.0%; Pred. No. 5,1e-156;  
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLALPPGAASVQCTGDMKRLRPASPTHLDMLRHLHYQGQVQGNL 60  
DB 1 MELAALCRWGLLALPPGAASVQCTGDMKRLRPASPTHLDMLRHLHYQGQVQGNL 60  
QY 61 ELTYLPTNASLSFLDIOEVQGVYLAHNOVROVPLQRLRIYRGTLFEDNTALAVLDNG 120  
DB 61 ELTYLPTNASLSFLDIOEVQGVYLAHNOVROVPLQRLRIYRGTLFEDNTALAVLDNG 120  
QY 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGVLIQRNPOLCYQDTILMKDIFHKNNOLA 180  
DB 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGVLIQRNPOLCYQDTILMKDIFHKNNOLA 180  
QY 181 LTLIDNRSRACHPCSPMKGSKRCWSESEDCQSLRTVCAGGACARCKPLPTDCHEOC 240  
DB 181 LTLIDNRSRACHPCSPMKGSKRCWSESEDCQSLRTVCAGGACARCKPLPTDCHEOC 240  
QY 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMNPBGRTYFGASCYTACP 300  
DB 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMNPBGRTYFGASCYTACP 300  
QY 301 YNLTSTDVSGCTLYCPDLHNOEYTAEDGTORCEKSKPCAR----GTHSLPRPAAPVP 355  
DB 301 YNLTSTDVSGCTLYCPDLHNOEYTAEDGTORCEKSKPCAR----GTHSLPRPAAPVP 355  
QY 356 LRMQPG--PAHPLYSLRSPMDLYSAFYSLPLAPLSPTSVPI-----SPYSVGRGD 405  
DB 356 LRMQPG--PAHPLYSLRSPMDLYSAFYSLPLAPLSPTSVPI-----SPYSVGRGD 405  
QY 406 --PDAAHVAANLSRYEG 419  
DB 406 --PDAAHVAANLSRYEG 419  
QY 418 SLPLDSVFQNLQYIRG 433  
DB 418 SLPLDSVFQNLQYIRG 433

RESULT 4  
US-09-344-195-4  
Sequence 4, Application US/09344195  
Patent No. 6210662

GENERAL INFORMATION:  
APPLICANT: Laus, Reiner  
Ruegg, Curtis L.  
Mu, Hongyu

TITLE OF INVENTION: Immunostimulatory Compositions  
NUMBER OF SEQUENCES: 10  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Denlinger & Associates  
STREET: 350 Cambridge Ave, Suite 250  
CITY: Palo Alto

STATE: CA  
COUNTRY: USA  
ZIP: 94306

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/344,195  
FILING DATE: 24-Jun-1999  
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/146,283  
FILING DATE: 03-SEPT-1998  
ATTORNEY/AGENT INFORMATION:  
NAME: Judge, Linda R.

REGISTRATION NUMBER: 42,702  
REFERENCE/DOCKET NUMBER: 7636-0010.21  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650-324-0880  
TELEFAX: 650-324-0960

INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 782 amino acids  
TYPE: amino acid  
TOPOLOGY: linear

MOLECULE TYPE: protein  
HYPOTHETICAL: NO  
ORIGINAL SOURCE:

ORGANISM: homo sapiens  
INDIVIDUAL ISOLATE: GM-CSF-Her-2 fusion protein; Fig. 8  
SEQUENCE DESCRIPTION: SEQ ID NO: 4:

US-09-344-195-4

Query Match 82.1%; Score 1878; DB 3; Length 782;  
Best Local Similarity 83.0%; Pred. No. 5,1e-156;  
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLALPPGAASVQCTGDMKRLRPASPTHLDMLRHLHYQGQVQGNL 60  
DB 1 MELAALCRWGLLALPPGAASVQCTGDMKRLRPASPTHLDMLRHLHYQGQVQGNL 60  
QY 61 ELTYLPTNASLSFLDIOEVQGVYLAHNOVROVPLQRLRIYRGTLFEDNTALAVLDNG 120  
DB 61 ELTYLPTNASLSFLDIOEVQGVYLAHNOVROVPLQRLRIYRGTLFEDNTALAVLDNG 120  
QY 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGVLIQRNPOLCYQDTILMKDIFHKNNOLA 180  
DB 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGVLIQRNPOLCYQDTILMKDIFHKNNOLA 180  
QY 181 LTLIDNRSRACHPCSPMKGSKRCWSESEDCQSLRTVCAGGACARCKPLPTDCHEOC 240  
DB 181 LTLIDNRSRACHPCSPMKGSKRCWSESEDCQSLRTVCAGGACARCKPLPTDCHEOC 240  
QY 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMNPBGRTYFGASCYTACP 300  
DB 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMNPBGRTYFGASCYTACP 300  
QY 301 YNLTSTDVSGCTLYCPDLHNOEYTAEDGTORCEKSKPCAR----GTHSLPRPAAPVP 355  
DB 301 YNLTSTDVSGCTLYCPDLHNOEYTAEDGTORCEKSKPCAR----GTHSLPRPAAPVP 355  
QY 356 LRMQPG--PAHPLYSLRSPMDLYSAFYSLPLAPLSPTSVPI-----SPYSVGRGD 405  
DB 356 LRMQPG--PAHPLYSLRSPMDLYSAFYSLPLAPLSPTSVPI-----SPYSVGRGD 405  
QY 406 --PDAAHVAANLSRYEG 419  
DB 406 --PDAAHVAANLSRYEG 419  
QY 418 SLPLDSVFQNLQYIRG 433  
DB 418 SLPLDSVFQNLQYIRG 433

RESULT 5  
US-08-467-083-68  
Sequence 68, Application US/08467083  
Patent No. 5726023

GENERAL INFORMATION:  
APPLICANT: Cheever, Martin A.

TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/NEU PROTEIN  
FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE  
NUMBER OF SEQUENCES: 68  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Seed and Berry  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: Washington  
COUNTRY: US  
ZIP: 98104-7092

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/467,083  
FILING DATE: 06-JUN-1995  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/414,417  
FILING DATE: 06-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Sharkey, Richard G.  
REGISTRATION NUMBER: 32,629  
REFERENCE/DOCKET NUMBER: 920010.448C2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 622-4900  
TELEFAX: (206) 682-6031  
TELEX: 3723836 SEDANBERY  
INFORMATION FOR SEQ ID NO: 68:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1255 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-467-083-68

Query Match 82.1%; Score 1878; DB 1; Length 1255;  
Best Local Similarity 83.0%; Pred. No. 9,5e-156;  
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELALCRMGILLALIPGAASVCTGDMKRLPASEPETHLDMRLHYOCQVVGNTL 60  
DB 1 MELALCRMGILLALIPGAASVCTGDMKRLPASEPETHLDMRLHYOCQVVGNTL 60  
QY 61 ELYLPTNASISFLDIOEVGVYLIANQVQVPLQRLRYRGTLFEDNATALAVLNG 120  
DB 61 ELYLPTNASISFLDIOEVGVYLIANQVQVPLQRLRYRGTLFEDNATALAVLNG 120  
QY 121 DPLNNTTPTGASPGGLRELQRLSLTEILKGVLLQIRNPOLCYOTIIMKDIFFHNNOLA 180  
DB 121 DPLNNTTPTGASPGGLRELQRLSLTEILKGVLLQIRNPOLCYOTIIMKDIFFHNNOLA 180  
QY 181 LTLIDTNSRACHPCSPMCKGSRGCESEDCOSLTRVYAGGACARCKGPLPTDCHEQC 240  
DB 181 LTLIDTNSRACHPCSPMCKGSRGCESEDCOSLTRVYAGGACARCKGPLPTDCHEQC 240  
QY 241 AAGCTGPKHSDCLACLFHNHSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300  
DB 241 AAGCTGPKHSDCLACLFHNHSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300  
QY 301 YNYLSTDVGSCILVCPPLHNOEYTAEDGTORCEKCKPCARVCGYGLGMEHLREVRVTSAN 360  
DB 301 YNYLSTDVGSCILVCPPLHNOEYTAEDGTORCEKCKPCARVCGYGLGMEHLREVRVTSAN 360  
QY 361 LRMQGG--PAHFVLSFLRPSMDVSAFYSLPLAPLPTSVPI-----SPVSGRGPD 405  
DB 361 LRMQGG--PAHFVLSFLRPSMDVSAFYSLPLAPLPTSVPI-----SPVSGRGPD 405  
QY 406 --PDAHVAVNLSRYEG 419  
DB 406 --PDAHVAVNLSRYEG 419  
QY 418 SLPLDSVFQNLQVIRG 433  
DB 418 SLPLDSVFQNLQVIRG 433

RESULT 6  
US-08-414-417B-68  
Sequence 68, Application US/08414417B  
Patent No. 5801005  
GENERAL INFORMATION:  
APPLICANT: Cheever, Martin A.  
APPLICANT: Disis, Mary L.  
TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN  
TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE

TITLE OF INVENTION: HER-2/neu ONCOGENE IS ASSOCIATED  
NUMBER OF SEQUENCES: 69  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Seed and Berry LLP  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: Washington  
COUNTRY: US  
ZIP: 98104-7092  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/414,417B  
FILING DATE: 31-MAR-1995  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: Sharkey, Richard G.  
REGISTRATION NUMBER: 32,629  
REFERENCE/DOCKET NUMBER: 920010.448C2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 622-4900  
TELEFAX: (206) 682-6031  
INFORMATION FOR SEQ ID NO: 68:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1255 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-414-417B-68

Query Match 82.1%; Score 1878; DB 1; Length 1255;  
Best Local Similarity 83.0%; Pred. No. 9,5e-156;  
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELALCRMGILLALIPGAASVCTGDMKRLPASEPETHLDMRLHYOCQVVGNTL 60  
DB 1 MELALCRMGILLALIPGAASVCTGDMKRLPASEPETHLDMRLHYOCQVVGNTL 60  
QY 61 ELYLPTNASISFLDIOEVGVYLIANQVQVPLQRLRYRGTLFEDNATALAVLNG 120  
DB 61 ELYLPTNASISFLDIOEVGVYLIANQVQVPLQRLRYRGTLFEDNATALAVLNG 120  
QY 121 DPLNNTTPTGASPGGLRELQRLSLTEILKGVLLQIRNPOLCYOTIIMKDIFFHNNOLA 180  
DB 121 DPLNNTTPTGASPGGLRELQRLSLTEILKGVLLQIRNPOLCYOTIIMKDIFFHNNOLA 180  
QY 181 LTLIDTNSRACHPCSPMCKGSRGCESEDCOSLTRVYAGGACARCKGPLPTDCHEQC 240  
DB 181 LTLIDTNSRACHPCSPMCKGSRGCESEDCOSLTRVYAGGACARCKGPLPTDCHEQC 240  
QY 241 AAGCTGPKHSDCLACLFHNHSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300  
DB 241 AAGCTGPKHSDCLACLFHNHSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300  
QY 301 YNYLSTDVGSCILVCPPLHNOEYTAEDGTORCEKCKPCARVCGYGLGMEHLREVRVTSAN 360  
DB 301 YNYLSTDVGSCILVCPPLHNOEYTAEDGTORCEKCKPCARVCGYGLGMEHLREVRVTSAN 360  
QY 361 LRMQGG--PAHFVLSFLRPSMDVSAFYSLPLAPLPTSVPI-----SPVSGRGPD 405  
DB 361 LRMQGG--PAHFVLSFLRPSMDVSAFYSLPLAPLPTSVPI-----SPVSGRGPD 405  
QY 406 --PDAHVAVNLSRYEG 419  
DB 406 --PDAHVAVNLSRYEG 419  
QY 418 SLPLDSVFQNLQVIRG 433  
DB 418 SLPLDSVFQNLQVIRG 433

RESULT 7  
US-08-484-438-8  
Sequence 8, Application US/08484438  
Patent No. 5811098

Patent No. 5811098 5780031  
GENERAL INFORMATION:  
APPLICANT: PLOMAN, Gregory D.  
APPLICANT: CULOUSCOU, Jean-Michel  
APPLICANT: SHOYAB, Mohammed  
APPLICANT: SIEGALL, Clay B.  
APPLICANT: HELLSER, m, Ingegerd  
APPLICANT: HELLSER, m, Karl E.  
TITLE OF INVENTION: HERA HUMAN RECEPTOR TYROSINE KINASE  
NUMBER OF SEQUENCES: 42  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/484,438  
FILING DATE: 07-JUN-1995  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/323,442  
FILING DATE: 14-OCT-1994  
APPLICATION NUMBER: US 08/150,704  
FILING DATE: 10-NOV-1993  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/981,165  
FILING DATE: 24-NOV-1992  
CLASSIFICATION: 530  
ATTORNEY/AGENT INFORMATION:  
NAME: MISTOCK, S. Leslie  
REGISTRATION NUMBER: 18,872  
REFERENCE/DOCKET NUMBER: 5624-230  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-8864/9741  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1255 amino acids  
TYPE: amino acid  
STRANDEDNESS: unknown  
TOPOLOGY: unknown  
MOLECULE TYPE: protein  
US-08-484-438-8

Query Match 82.1%; Score 1878; DB 2; Length 1255;  
Best Local Similarity 83.0%; Pred. No. 9, 5e-156;  
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

DB 1 MELAALCRWGLLALPPGAASVOYCTGDMKRLPASPETHLDMRLHLYOGQVVOGML 60  
DB 1 MELAALCRWGLLALPPGAASVOYCTGDMKRLPASPETHLDMRLHLYOGQVVOGML 60  
QY 61 ELTYLPTNASTSLFDIOIEVQGVYLLAHNQVROVPLQRLRIYRGTLQFEDNTALAVLDNG 120  
DB 61 ELTYLPTNASTSLFDIOIEVQGVYLLAHNQVROVPLQRLRIYRGTLQFEDNTALAVLDNG 120  
QY 121 DPLANTPTVTGASPGGLRELQRLSLTEILKGVLIQRNPQLCYQDTIILKKDIFHKNNOLA 180  
DB 121 DPLANTPTVTGASPGGLRELQRLSLTEILKGVLIQRNPQLCYQDTIILKKDIFHKNNOLA 180  
QY 181 LTLIDNRRACHPGSPMCKSGRCMGESESDCSLFRVCAGGCARCKGPLPTDCHEOC 240  
DB 181 LTLIDNRRACHPGSPMCKSGRCMGESESDCSLFRVCAGGCARCKGPLPTDCHEOC 240

QY 241 AAGCTGPKHSDCLACLFHFNHSGICELHCPALVTYNTDFESMPNPEGRTFGASCYTACP 300  
DB 241 AAGCTGPKHSDCLACLFHFNHSGICELHCPALVTYNTDFESMPNPEGRTFGASCYTACP 300  
QY 301 YNLTSDVSGCTLVCPDLHNOEYTAEDGTORCEKSPCAR----GTHSLRPAAVVP 355  
DB 301 YNLTSDVSGCTLVCPDLHNOEYTAEDGTORCEKSPCARCYGLMEHLREVRATVSAN 360  
QY 356 LHMOPG--PAHVLSLRSPMDLVSAFSLPLAPLSPVPI-----SPVSVGRGPD 405  
DB 361 IOEFAGCKKIFGSLAPLPSFEGDPASNT---APLOPOLQVFETLEITGYLISAMPD 417  
QY 406 --PDAAVAVNLSRYEG 419  
DB 418 SLPDLVSFQNLQYIRG 433

RESULT 8  
US-08-486-348A-68  
Sequence 68, Application US/08486348A  
Patent No. 5846538  
GENERAL INFORMATION:  
APPLICANT: Cheever, Martin A.  
APPLICANT: Disis, Mary L.  
TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN  
TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE  
NUMBER OF SEQUENCES: 69  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Seed and Berry LLP  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: Washington  
COUNTRY: US  
ZIP: 98104-7092  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/486,348A  
FILING DATE: 07-JUN-1995  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: Sharkey, Richard G.  
REGISTRATION NUMBER: 32,629  
REFERENCE/DOCKET NUMBER: 920010.448C6  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 682-6031  
TELEFAX: (206) 622-4900  
INFORMATION FOR SEQ ID NO: 68:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1255 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-486-348A-68

Query Match 82.1%; Score 1878; DB 2; Length 1255;  
Best Local Similarity 83.0%; Pred. No. 9, 5e-156;  
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

DB 1 MELAALCRWGLLALPPGAASVOYCTGDMKRLPASPETHLDMRLHLYOGQVVOGML 60  
DB 1 MELAALCRWGLLALPPGAASVOYCTGDMKRLPASPETHLDMRLHLYOGQVVOGML 60  
QY 61 ELTYLPTNASTSLFDIOIEVQGVYLLAHNQVROVPLQRLRIYRGTLQFEDNTALAVLDNG 120  
DB 61 ELTYLPTNASTSLFDIOIEVQGVYLLAHNQVROVPLQRLRIYRGTLQFEDNTALAVLDNG 120  
QY 121 DPLANTPTVTGASPGGLRELQRLSLTEILKGVLIQRNPQLCYQDTIILKKDIFHKNNOLA 180  
DB 121 DPLANTPTVTGASPGGLRELQRLSLTEILKGVLIQRNPQLCYQDTIILKKDIFHKNNOLA 180

QY 181 LTLIDNRSRACHPCSPMCKGSRGWESSEDCOSLTRVACAGCARCKGPLPTDCHEQC 240  
181 LTLIDNRSRACHPCSPMCKGSRGWESSEDCOSLTRVACAGCARCKGPLPTDCHEQC 240  
DB 241 AAGCTGPKHSDCLACHFNHSGICELHCPALVTYNTDFESMPNPEGRTFGASCVTAC 300  
241 AAGCTGPKHSDCLACHFNHSGICELHCPALVTYNTDFESMPNPEGRTFGASCVTAC 300  
DB 301 YNLTSDVGSCTLVCPHNOEYTAEDGTORCEKSKPCAR-----GTHSLPRPAVP 355  
301 YNLTSDVGSCTLVCPHNOEYTAEDGTORCEKSKPCAR-----GTHSLPRPAVP 355  
DB 301 YNLTSDVGSCTLVCPHNOEYTAEDGTORCEKSKPCAR-----GTHSLPRPAVP 360  
301 YNLTSDVGSCTLVCPHNOEYTAEDGTORCEKSKPCAR-----GTHSLPRPAVP 360  
QY 356 LKMQPG--PAHVLSTLRPSMDLVSAFYSLPLAPLSPVPI-----SPVSVGRGPD 405  
356 LKMQPG--PAHVLSTLRPSMDLVSAFYSLPLAPLSPVPI-----SPVSVGRGPD 405  
DB 361 IOEFAGCKKIFGSLAFIPESFDGDPASNT---APLQPELOVEFTEITGLYISAWPD 417  
361 IOEFAGCKKIFGSLAFIPESFDGDPASNT---APLQPELOVEFTEITGLYISAWPD 417  
QY 406 --PDAHVAVNLRYEG 419  
406 --PDAHVAVNLRYEG 419  
DB 418 SLPLDSVFQNLQVIRG 433  
418 SLPLDSVFQNLQVIRG 433

## RESULT 9

US-08-625-101-2  
Sequence 2, Application US/08625101  
Patent No. 5869445  
GENERAL INFORMATION:  
APPLICANT: Cheever, Martin A.  
APPLICANT: Disis, Mary L.  
TITLE OF INVENTION: COMPOUNDS FOR ELICITING OR ENHANCING IMMUNE  
TITLE OF INVENTION: REACTIVITY TO HER-2/neu PROTEIN FOR PREVENTION  
TITLE OF INVENTION: OR TREATMENT OF MALIGNANCIES IN WHICH THE HER-2/neu  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: SEED AND BERRY LLP  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: Washington  
COUNTRY: USA  
ZIP: 98104-7092  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/625,101  
FILING DATE: 01-APR-1996  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: Sharkey, Richard G.  
REGISTRATION NUMBER: 32,629  
REFERENCE/DOCKET NUMBER: 920010.448C7  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 622-4900  
TELEFAX: (206) 682-6031  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1255 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-625-101-2

## Query Match

Best Local Similarity 82.1%; Score 1878; DB 2; Length 1255;  
Pred. No. 9, 5e-156;  
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLALLPAGASTVCTGDMKRLPASEPETHDMLRHLYGCGVVOGML 60  
1 MELAALCRWGLLALLPAGASTVCTGDMKRLPASEPETHDMLRHLYGCGVVOGML 60  
DB 1 MELAALCRWGLLALLPAGASTVCTGDMKRLPASEPETHDMLRHLYGCGVVOGML 60

QY 61 ELTYLPTNASTFLDIOEVGCVLLAHNOVQVLPQRLRIYRGTQLEFEDNTALAVLDNG 120  
61 ELTYLPTNASTFLDIOEVGCVLLAHNOVQVLPQRLRIYRGTQLEFEDNTALAVLDNG 120  
DB 61 ELTYLPTNASTFLDIOEVGCVLLAHNOVQVLPQRLRIYRGTQLEFEDNTALAVLDNG 120  
121 DPLNNTPTVGTASPGGLRELQRLSTELIKGVLQIORNQOLCYOFTILMKDIFHNNOA 180  
121 DPLNNTPTVGTASPGGLRELQRLSTELIKGVLQIORNQOLCYOFTILMKDIFHNNOA 180  
DB 121 DPLNNTPTVGTASPGGLRELQRLSTELIKGVLQIORNQOLCYOFTILMKDIFHNNOA 180  
121 DPLNNTPTVGTASPGGLRELQRLSTELIKGVLQIORNQOLCYOFTILMKDIFHNNOA 180  
QY 181 LTLIDNRSRACHPCSPMCKGSRGWESSEDCOSLTRVACAGCARCKGPLPTDCHEQC 240  
181 LTLIDNRSRACHPCSPMCKGSRGWESSEDCOSLTRVACAGCARCKGPLPTDCHEQC 240  
DB 181 LTLIDNRSRACHPCSPMCKGSRGWESSEDCOSLTRVACAGCARCKGPLPTDCHEQC 240  
181 LTLIDNRSRACHPCSPMCKGSRGWESSEDCOSLTRVACAGCARCKGPLPTDCHEQC 240  
QY 241 AAGCTGPKHSDCLACHFNHSGICELHCPALVTYNTDFESMPNPEGRTFGASCVTAC 300  
241 AAGCTGPKHSDCLACHFNHSGICELHCPALVTYNTDFESMPNPEGRTFGASCVTAC 300  
DB 241 AAGCTGPKHSDCLACHFNHSGICELHCPALVTYNTDFESMPNPEGRTFGASCVTAC 300  
241 AAGCTGPKHSDCLACHFNHSGICELHCPALVTYNTDFESMPNPEGRTFGASCVTAC 300  
QY 301 YNLTSDVGSCTLVCPHNOEYTAEDGTORCEKSKPCAR-----GTHSLPRPAVP 355  
301 YNLTSDVGSCTLVCPHNOEYTAEDGTORCEKSKPCAR-----GTHSLPRPAVP 355  
DB 301 YNLTSDVGSCTLVCPHNOEYTAEDGTORCEKSKPCAR-----GTHSLPRPAVP 360  
301 YNLTSDVGSCTLVCPHNOEYTAEDGTORCEKSKPCAR-----GTHSLPRPAVP 360  
QY 356 LKMQPG--PAHVLSTLRPSMDLVSAFYSLPLAPLSPVPI-----SPVSVGRGPD 405  
356 LKMQPG--PAHVLSTLRPSMDLVSAFYSLPLAPLSPVPI-----SPVSVGRGPD 405  
DB 361 IOEFAGCKKIFGSLAFIPESFDGDPASNT---APLQPELOVEFTEITGLYISAWPD 417  
361 IOEFAGCKKIFGSLAFIPESFDGDPASNT---APLQPELOVEFTEITGLYISAWPD 417  
QY 406 --PDAHVAVNLRYEG 419  
406 --PDAHVAVNLRYEG 419  
DB 418 SLPLDSVFQNLQVIRG 433  
418 SLPLDSVFQNLQVIRG 433

## RESULT 10

US-08-468-545B-68  
Sequence 68, Application US/08468545B  
Patent No. 5876712  
GENERAL INFORMATION:  
APPLICANT: Cheever, Martin A.  
APPLICANT: Disis, Mary L.  
TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN  
TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE  
NUMBER OF SEQUENCES: 69  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Seed and Berry LLP  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: Washington  
COUNTRY: USA  
ZIP: 98104-7092  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/468,545B  
FILING DATE: 06-JUN-1995  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: Sharkey, Richard G.  
REGISTRATION NUMBER: 32,629  
REFERENCE/DOCKET NUMBER: 920010.448C5  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 622-4900  
TELEFAX: (206) 682-6031  
INFORMATION FOR SEQ ID NO: 68:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1255 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-468-545B-68

## Query Match

Best Local Similarity 82.1%; Score 1878; DB 2; Length 1255;  
Pred. No. 9, 5e-156;  
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;



REGISTRATION NUMBER: 32,629  
 REFERENCE/DOCKET NUMBER: 920010.448C4  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (206) 622-4900  
 TELEFAX: (206) 682-6031  
 INFORMATION FOR SEQ. ID NO: 68:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1255 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear

US-08-466-680B-68

Query Match 82.1%; Score 1878; DB 3; Length 1255;  
 Best Local Similarity 83.0%; Pred. No. 9,5e-156;  
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLALLPFGAASVQVCTGDMKRLRPAPETHLMDLRHLYQGCVQVGNL 60  
 DB 1 MELAALCRWGLLALLPFGAASVQVCTGDMKRLRPAPETHLMDLRHLYQGCVQVGNL 60  
 QY 61 ELTYLPTNASLSFLQDIOEVQGYVLLAHNOVROVPLQRLRYRGTOLEFEDNYALAVDNG 120  
 DB 61 ELTYLPTNASLSFLQDIOEVQGYVLLAHNOVROVPLQRLRYRGTOLEFEDNYALAVDNG 120  
 QY 121 DPLNNTPTVYGASPGGLRELQRLSLTEILKGVLIQRNPOLCYQDTILMKDIFHKNNOLA 180  
 DB 121 DPLNNTPTVYGASPGGLRELQRLSLTEILKGVLIQRNPOLCYQDTILMKDIFHKNNOLA 180  
 QY 181 LTLIDNRSRACHPCSPMCKGSRGWSSEDCOSLRTVACAGCARKGFLPTDCHEQC 240  
 DB 181 LTLIDNRSRACHPCSPMCKGSRGWSSEDCOSLRTVACAGCARKGFLPTDCHEQC 240  
 QY 241 AAGCTPKHSDDCLACHFNHSGICELHCPALVYNTDTESMNPGRYTFGASCTYAC 300  
 DB 241 AAGCTPKHSDDCLACHFNHSGICELHCPALVYNTDTESMNPGRYTFGASCTYAC 300  
 QY 301 YNYLSTDVGSCTLVCPHLHNOEYTAEDGTORCEKSPCARVCGIGLMEHLREYRAVTSAN 360  
 DB 301 YNYLSTDVGSCTLVCPHLHNOEYTAEDGTORCEKSPCARVCGIGLMEHLREYRAVTSAN 360  
 QY 356 LRMQPG--PAHPLYSLRPSWDLVSAFYSLLAPLSPTSVP-----SPYVGGRPD 405  
 DB 356 LRMQPG--PAHPLYSLRPSWDLVSAFYSLLAPLSPTSVP-----SPYVGGRPD 405  
 QY 361 IOEFACKKIFGSLAFLPESFDGDPASNT---APLQPEQLQVETLEITGYLYISAMPD 417  
 DB 361 IOEFACKKIFGSLAFLPESFDGDPASNT---APLQPEQLQVETLEITGYLYISAMPD 417  
 QY 406 --PDAAVAVNLSRYEG 419  
 DB 406 --PDAAVAVNLSRYEG 419  
 QY 418 SLPLDSVFQNLQYIRG 433  
 DB 418 SLPLDSVFQNLQYIRG 433

RESULT 13  
 US-09-527-487-2

Sequence 2, Application US/09527487  
 Patent No. 6528060  
 GENERAL INFORMATION:  
 APPLICANT: Nicolette, Charles  
 TITLE OF INVENTION: HER2 ANTIGENIC PEPTIDES  
 FILE REFERENCE: 126881309200  
 CURRENT APPLICATION NUMBER: US/09/527,487  
 CURRENT FILING DATE: 2000-03-16  
 NUMBER OF SEQ ID NOS: 9  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO 2  
 LENGTH: 1255  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-527-487-2

Query Match 82.1%; Score 1878; DB 4; Length 1255;  
 Best Local Similarity 83.0%; Pred. No. 9,5e-156;  
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;  
 QY 1 MELAALCRWGLLALLPFGAASVQVCTGDMKRLRPAPETHLMDLRHLYQGCVQVGNL 60  
 DB 1 MELAALCRWGLLALLPFGAASVQVCTGDMKRLRPAPETHLMDLRHLYQGCVQVGNL 60

DB 1 MELAALCRWGLLALLPFGAASVQVCTGDMKRLRPAPETHLMDLRHLYQGCVQVGNL 60  
 QY 61 ELTYLPTNASLSFLQDIOEVQGYVLLAHNOVROVPLQRLRYRGTOLEFEDNYALAVDNG 120  
 DB 61 ELTYLPTNASLSFLQDIOEVQGYVLLAHNOVROVPLQRLRYRGTOLEFEDNYALAVDNG 120  
 QY 121 DPLNNTPTVYGASPGGLRELQRLSLTEILKGVLIQRNPOLCYQDTILMKDIFHKNNOLA 180  
 DB 121 DPLNNTPTVYGASPGGLRELQRLSLTEILKGVLIQRNPOLCYQDTILMKDIFHKNNOLA 180  
 QY 181 LTLIDNRSRACHPCSPMCKGSRGWSSEDCOSLRTVACAGCARKGFLPTDCHEQC 240  
 DB 181 LTLIDNRSRACHPCSPMCKGSRGWSSEDCOSLRTVACAGCARKGFLPTDCHEQC 240  
 QY 241 AAGCTPKHSDDCLACHFNHSGICELHCPALVYNTDTESMNPGRYTFGASCTYAC 300  
 DB 241 AAGCTPKHSDDCLACHFNHSGICELHCPALVYNTDTESMNPGRYTFGASCTYAC 300  
 QY 301 YNYLSTDVGSCTLVCPHLHNOEYTAEDGTORCEKSPCARVCGIGLMEHLREYRAVTSAN 360  
 DB 301 YNYLSTDVGSCTLVCPHLHNOEYTAEDGTORCEKSPCARVCGIGLMEHLREYRAVTSAN 360  
 QY 356 LRMQPG--PAHPLYSLRPSWDLVSAFYSLLAPLSPTSVP-----SPYVGGRPD 405  
 DB 356 LRMQPG--PAHPLYSLRPSWDLVSAFYSLLAPLSPTSVP-----SPYVGGRPD 405  
 QY 361 IOEFACKKIFGSLAFLPESFDGDPASNT---APLQPEQLQVETLEITGYLYISAMPD 417  
 DB 361 IOEFACKKIFGSLAFLPESFDGDPASNT---APLQPEQLQVETLEITGYLYISAMPD 417  
 QY 406 --PDAAVAVNLSRYEG 419  
 DB 406 --PDAAVAVNLSRYEG 419  
 QY 418 SLPLDSVFQNLQYIRG 433  
 DB 418 SLPLDSVFQNLQYIRG 433

RESULT 14  
 US-08-422-108-1

Sequence 1, Application US/08422108  
 Patent No. 6015567  
 GENERAL INFORMATION:  
 APPLICANT: Hudziak, Robert M.  
 APPLICANT: Shepard, H. Michael  
 APPLICANT: Ullrich, Axel  
 TITLE OF INVENTION: HER2 EXTRACELLULAR DOMAIN  
 NUMBER OF SEQUENCES: 2  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Genentech, Inc.  
 STREET: 460 Point San Bruno Blvd  
 CITY: South San Francisco  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94080  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Winpatin (Genentech)  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/422,108  
 FILING DATE: 14-Apr-1995  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/355460  
 FILING DATE: 13-DEC-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/048346  
 FILING DATE: 15-APR-1993  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/354319  
 FILING DATE: 19-MAY-1989  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Lee, Wendy M  
 REGISTRATION NUMBER: 00,000  
 REFERENCE/DOCKET NUMBER: 554C2D2  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415/225-1994  
 TELEFAX: 415/952-9881



TELEX: 910/371-7168  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 624 amino acids  
 TYPE: Amino Acid  
 TOPOLOGY: Linear

US-08-422-108-1

Query Match 77.4%; Score 1769; DB 3; Length 624;  
 Best Local Similarity 82.2%; Pred. No. 1.3e-146;  
 Matches 341; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 22 STQVCTGTDMLRLPASPETHLDMRLHLYOGCVOGNELEYLPPTNASTSLFLQDIQEVQ 81  
 DB 1 STQVCTGTDMLRLPASPETHLDMRLHLYOGCVOGNELEYLPPTNASTSLFLQDIQEVQ 60  
 QY 82 GYVLLAHNOVROYPLQRLRIYRGTQLEFENYALAVLDNGDPLNTPPVYGASGGLREIQ 141  
 DB 61 GYVLLAHNOVROYPLQRLRIYRGTQLEFENYALAVLDNGDPLNTPPVYGASGGLREIQ 120  
 QY 142 LRSLEILKGVLIQHNPOLCYODTILMKDIFKNNQALTLIDTNRSRACHPCSPMCKG 201  
 DB 121 LRSLEILKGVLIQHNPOLCYODTILMKDIFKNNQALTLIDTNRSRACHPCSPMCKG 180  
 QY 202 SRCWGESSEDCOSLRTVCAGGCARCKGPLPTDCHEGCAAGCTGPKHSDCLACLFHNS 261  
 DB 181 SRCWGESSEDCOSLRTVCAGGCARCKGPLPTDCHEGCAAGCTGPKHSDCLACLFHNS 240  
 QY 262 GICEHLCPALVYNTDTFESMPNBERGYTFGASCVCAPYNYLSTVGSCTLVCPPLHNE 321  
 DB 241 GICEHLCPALVYNTDTFESMPNBERGYTFGASCVCAPYNYLSTVGSCTLVCPPLHNE 300  
 QY 322 VTAEDGTORCEKSKPCAR-----GTHSLRPAAVPLRMOPG--PAHPVLSFLRPSW 374  
 DB 301 VTAEDGTORCEKSKPCARCYGLGMEHLREVAAYVSANIQEFAGCKKITFGSLAFLPESE 360  
 QY 375 DIVSAFYSLPLADLPTSVPI-----SPVSVGRGPD--PDAHYAVNLSRYEG 419  
 DB 361 DGDPAASNT--APLQPEQLQVFEFLTEITETLYISAMPDLSPLSVFQNLQVIRG 412

RESULT 15  
 US-08-422-734-1  
 Sequence 1, Application US/08422734  
 Patent No. 6333169  
 GENERAL INFORMATION:  
 APPLICANT: Hudziak, Robert M.  
 APPLICANT: Shepard, H. Michael  
 APPLICANT: Ullrich, Axel  
 TITLE OF INVENTION: HER2 EXTRACELLULAR DOMAIN  
 NUMBER OF SEQUENCES: 2  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Genentech, Inc.  
 STREET: 460 Point San Bruno Blvd  
 CITY: South San Francisco  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94080  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: WinPatIn (Genentech)  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/422,734  
 FILING DATE:  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/422108  
 FILING DATE: 14-Apr-1995  
 APPLICATION NUMBER: 08/355460  
 FILING DATE: 13-Dec-1994  
 PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/048346  
 FILING DATE: 15-APR-1993  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/354319  
 FILING DATE: 19-MAY-1989  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Lee, Wendy M  
 REGISTRATION NUMBER: 00,000  
 REFERENCE/DOCKET NUMBER: 554C2D1  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415/225-1994  
 TELEFAX: 415/952-9881  
 TELEX: 910/371-7168  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 624 amino acids  
 TYPE: Amino Acid  
 TOPOLOGY: Linear

US-08-422-734-1

Query Match 77.4%; Score 1769; DB 4; Length 624;  
 Best Local Similarity 82.2%; Pred. No. 1.3e-146;  
 Matches 341; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 22 STQVCTGTDMLRLPASPETHLDMRLHLYOGCVOGNELEYLPPTNASTSLFLQDIQEVQ 81  
 DB 1 STQVCTGTDMLRLPASPETHLDMRLHLYOGCVOGNELEYLPPTNASTSLFLQDIQEVQ 60  
 QY 82 GYVLLAHNOVROYPLQRLRIYRGTQLEFENYALAVLDNGDPLNTPPVYGASGGLREIQ 141  
 DB 61 GYVLLAHNOVROYPLQRLRIYRGTQLEFENYALAVLDNGDPLNTPPVYGASGGLREIQ 120  
 QY 142 LRSLEILKGVLIQHNPOLCYODTILMKDIFKNNQALTLIDTNRSRACHPCSPMCKG 201  
 DB 121 LRSLEILKGVLIQHNPOLCYODTILMKDIFKNNQALTLIDTNRSRACHPCSPMCKG 180  
 QY 202 SRCWGESSEDCOSLRTVCAGGCARCKGPLPTDCHEGCAAGCTGPKHSDCLACLFHNS 261  
 DB 181 SRCWGESSEDCOSLRTVCAGGCARCKGPLPTDCHEGCAAGCTGPKHSDCLACLFHNS 240  
 QY 262 GICEHLCPALVYNTDTFESMPNBERGYTFGASCVCAPYNYLSTVGSCTLVCPPLHNE 321  
 DB 241 GICEHLCPALVYNTDTFESMPNBERGYTFGASCVCAPYNYLSTVGSCTLVCPPLHNE 300  
 QY 322 VTAEDGTORCEKSKPCAR-----GTHSLRPAAVPLRMOPG--PAHPVLSFLRPSW 374  
 DB 301 VTAEDGTORCEKSKPCARCYGLGMEHLREVAAYVSANIQEFAGCKKITFGSLAFLPESE 360  
 QY 375 DIVSAFYSLPLADLPTSVPI-----SPVSVGRGPD--PDAHYAVNLSRYEG 419  
 DB 361 DGDPAASNT--APLQPEQLQVFEFLTEITETLYISAMPDLSPLSVFQNLQVIRG 412

Search completed: September 3, 2003, 16:42:11  
 Job time : 36.496 secs



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: September 3, 2003, 16:40:57 ; Search time 35.3373 Seconds  
(without alignments)  
1628.029 Million cell updates/sec

Title: US-09-234-208b-2  
Perfect score: 2287  
Sequence: 1 METALCRWGLLALLPPGA.....YGRGPDPAHVAVNLRYEG 419

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 513375 seqs, 137303645 residues

Total number of hits satisfying chosen parameters: 513375

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep:\*  
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3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep:\*  
4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep:\*  
5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep:\*  
6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep:\*  
7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep:\*  
8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep:\*  
9: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep:\*  
10: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep:\*  
11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep:\*  
12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep:\*  
13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep:\*  
14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep:\*  
15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep:\*  
16: /cgn2\_6/ptodata/1/pubpaa/US10C\_NEW\_PUB.pep:\*  
17: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep:\*  
18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1878	82.1	645	9	US-09-921-161-1
2	1878	82.1	645	10	US-10-268-501-13
3	1878	82.1	653	10	US-09-854-356-3
4	1878	82.1	712	10	US-09-854-356-7
5	1878	82.1	919	10	US-09-854-356-6
6	1878	82.1	1253	15	US-10-146-473-72
7	1878	82.1	1255	9	US-09-811-123-9
8	1878	82.1	1255	9	US-09-811-115-3
9	1878	82.1	1255	10	US-09-769-508-2
10	1878	82.1	1255	10	US-09-854-356-1
11	1878	82.1	1255	10	US-09-930-125-2
12	1878	82.1	1255	11	US-09-441-411-6
13	1878	82.1	1255	12	US-10-207-498-6
14	1878	82.1	1255	12	US-10-338-730-2
15	1878	82.1	1255	12	US-10-313-644-2

16	1878	82.1	1255	15	US-10-207-655-45	Sequence 45, Appl
17	1878	82.1	1255	15	US-10-177-293-126	Sequence 126, App
18	1612.5	70.5	479	9	US-09-821-883-5	Sequence 5, Appl
19	1610.5	70.4	564	9	US-09-821-883-3	Sequence 3, Appl
20	1610.5	70.4	697	9	US-09-821-883-4	Sequence 4, Appl
21	1608.5	70.3	654	10	US-09-854-356-8	Sequence 8, Appl
22	1608.5	70.3	1256	10	US-09-854-356-2	Sequence 2, Appl
23	1608.5	70.3	1260	10	US-09-870-759-118	Sequence 118, App
24	1608.5	70.3	1260	12	US-09-751-708A-118	Sequence 118, App
25	1607	70.3	555	9	US-09-821-883-1	Sequence 1, Appl
26	1607	70.3	690	9	US-09-821-883-2	Sequence 2, Appl
27	1597.5	69.9	1256	10	US-09-854-356-14	Sequence 14, Appl
28	1587	69.4	289	9	US-09-821-883-23	Sequence 23, Appl
29	987	43.2	191	11	US-09-441-411-9	Sequence 9, Appl
30	860	37.6	166	12	US-10-356-824-1	Sequence 1, Appl
31	793	34.7	405	15	US-10-207-655-43	Sequence 43, Appl
32	793	34.7	405	15	US-10-207-655-49	Sequence 49, Appl
33	793	34.7	657	15	US-10-172-620-18	Sequence 18, Appl
34	793	34.7	1210	9	US-09-725-433-2	Sequence 2, Appl
35	775	33.9	1308	10	US-09-940-101-2	Sequence 2, Appl
36	775	33.9	1308	15	US-10-207-655-47	Sequence 47, Appl
37	773	33.8	478	9	US-09-867-521-2	Sequence 2, Appl
38	773	33.8	478	15	US-10-302-868A-2	Sequence 2, Appl
39	771	33.7	615	10	US-09-940-101-4	Sequence 4, Appl
40	735.5	32.2	1342	12	US-10-207-498-2	Sequence 2, Appl
41	735.5	32.2	1342	15	US-10-172-620-16	Sequence 16, Appl
42	260	11.4	120	15	US-10-172-620-17	Sequence 17, Appl
43	257.5	11.3	1367	10	US-09-870-759-120	Sequence 120, App
44	257.5	11.3	1367	12	US-09-751-708A-120	Sequence 120, App
45	257.5	11.3	1367	12	US-10-177-293-226	Sequence 226, App

#### ALIGNMENTS

RESULT 1  
US-09-921-161-1  
; Sequence 1, Application US/09921161  
; Patent No. US2002090662A1  
; GENERAL INFORMATION:  
; APPLICANT: Ralph, Peter  
; TITLE OF INVENTION: ANALYTICAL METHOD  
; FILE REFERENCE: GENENT 066A  
; CURRENT APPLICATION NUMBER: US/09/921,161  
; CURRENT FILING DATE: 2001-08-01  
; PRIOR APPLICATION NUMBER: 60/225,433  
; PRIOR FILING DATE: 2000-08-15  
; NUMBER OF SEQ ID NOS: 1  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1  
; LENGTH: 645  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-921-161-1

Query Match	82.1%;	Score 1878;	DB 9;	Length 645;
Best Local Similarity	83.0%;	Pred. No. 1.1e-147;		
Matches 362;	Conservative 9;	Mismatches 45;	Indels 20;	Gaps 5;
OY	1	METALCRWGLLALLPPGA	ASTOYCTGDMRLRLPASPETHLDMRLHYQCYVQGNL	60
DB	1	METALCRWGLLALLPPGA	ASTOYCTGDMRLRLPASPETHLDMRLHYQCYVQGNL	60
OY	61	ELTYLPTNASTSLFDIDIOGVGYVLAHNOVQVPLQRLRYRGVQLFEDNALAVLNDG	120	
DB	61	ELTYLPTNASTSLFDIDIOGVGYVLAHNOVQVPLQRLRYRGVQLFEDNALAVLNDG	120	
OY	121	DLPLNTTPTVGTGASPGRLRELAQRLSTLEIKGCVLLIORNPOLCYOPTIILMKDIFHKNOLA	180	
DB	121	DLPLNTTPTVGTGASPGRLRELAQRLSTLEIKGCVLLIORNPOLCYOPTIILMKDIFHKNOLA	180	
OY	181	LTFLIDNRSRACHPCSPMKGSRGWESSEDCSLTRIVYACGACARCKAPLPTDCHEQC	240	
DB	181	LTFLIDNRSRACHPCSPMKGSRGWESSEDCSLTRIVYACGACARCKAPLPTDCHEQC	240	

Dd	181	LTLIDNRSRACHPCSPCKGRCRGCESEEDCQSLTRVCAGGCARCKPPLTDCHEQC	240
Oy	241	AAGCTGPRHSDIACLAFHNHSICGLCHCPATVTYMDPFESMPNEGRTFEGASCYTACP	300
Dd	241	AAGCTGPRHSDIACLAFHNHSICGLCHCPALVTYMTDFFESMPNEGRTFEGASCYTACP	300
Oy	301	YNVLTVDGSCCTLYCPRLHNOEVTADGTQRCEKCSKPCAR-----GTHSLRPRAVPVP	355
Dd	301	YNVLTVDGSCCTLYCPRLHNOEVTADGTQRCEKCSKPCARVCYGLMEHLREVAVTSAN	360
Oy	356	LRMOPG--PAHPVLSEFLRPSMDLVSAFSLPAPLSPTSVPL-----SPVSGRGPD	405
Dd	361	IQEPAGCKIFGSLAFLFESEFDGPASNT--APLPOLQVFETLEITGYLTISAWPD	417
Oy	406	--PDAAHVAVNLSTRYG 419	
Dd	418	SLPDLSTVFONIQVIRG 433	
RESULT 2			
	US-10-268-501-13		
	; Sequence 13, Application US/10268501		
	; Publication No. US20030086924A1		
	GENERAL INFORMATION:		
	APPLICANT: Sliwowski, Mark X.		
	TITLE OF INVENTION: Treatment with Anti-ErbB2 Antibodies		
	FILE REFERENCE: PI467RZPI		
	CURRENT APPLICATION NUMBER: US/10/268, 501		
	CURRENT FILING DATE: 2002-10-10		
	PRIOR APPLICATION NUMBER: US 09/602, 812		
	PRIOR FILING DATE: 2000-06-23		
	PRIOR APPLICATION NUMBER: US 60/141, 316		
	PRIOR FILING DATE: 1999-06-25		
	NUMBER OF SEQ ID NOS: 13		
	SEQ ID NO 13		
	LENGTH: 645		
	TYPE: PRT		
	ORGANISM: Homo sapiens		
	US-10-268-501-13		
	Query Match	82.1%; Score 1878; DB 15; Length 645;	
	Best Local Similarity	83.0%; Pred. No. 1.1e-147;	
	Matches 362; Conservative	9; Mismatches 45; Indels 20; Gaps 5	
Oy	1	MELALCRWGLLLALLPPGAASYOCTGDMKLRLPASETHLDMLRHLYGCCQYVGNL	60
Dd	1	MELALCRWGLLLALLPPGAASYOCTGDMKLRLPASETHLDMLRHLYGCCQYVGNL	60
Oy	61	ELTYLPTNASLSFIODIEOVGVYLIAHQVQVPLQRLRYGRQLFEDNYALAVLNG	120
Dd	61	ELTYLPTNASLSFIODIEOVGVYLIAHQVQVPLQRLRYGRQLFEDNYALAVLNG	120
Oy	121	DPLNNTPEVTGASPGGLRELQRLSLTEILIKGCVLIQNRNQLCYOPTIMLKDFHKNNQA	180
Dd	121	DPLNNTPEVTGASPGGLRELQRLSLTEILIKGCVLIQNRNQLCYOPTIMLKDFHKNNQA	180
Oy	181	LTLIDNRSRACHPCSPCKGRCRGCESEEDCQSLTRVCAGGCARCKPPLTDCHEOC	240
Dd	181	LTLIDNRSRACHPCSPCKGRCRGCESEEDCQSLTRVCAGGCARCKPPLTDCHEOC	240
Oy	241	AAGCTGPRHSDIACLAFHNHSICGLCHCPALTVMTDFFESMPNEGRTFEGASCYTACP	300
Dd	241	AAGCTGPRHSDIACLAFHNHSICGLCHCPALTVMTDFFESMPNEGRTFEGASCYTACP	300
Oy	301	YNVLTVDGSCCTLYCPRLHNOEVTADGTQRCEKCSKPCARVCYGLMEHLREVAVTSAN	360
Dd	301	YNVLTVDGSCCTLYCPRLHNOEVTADGTQRCEKCSKPCARVCYGLMEHLREVAVTSAN	360
Oy	356	LRMOPG--PAHPVLSEFLRPSMDLVSAFSLPAPLSPTSVPL-----SPVSGRGPD	405
Dd	361	IQEPAGCKIFGSLAFLFESEFDGPASNT--APLPOLQVFETLEITGYLTISAWPD	417
Oy	406	--PDAAHVAVNLSTRYG 419	
Dd	418	SLPDLSTVFONIQVIRG 433	
Oy	406	--PDAAHVAVNLSTRYG 419	

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Db          418 SLPLSLSVFQNQLQVIRG 433

RESULT 3
US-09-854-356-3
; Sequence 3, Application US/09854356
; Patent No. US20020175567A1
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/854,356
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 653
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: extracellular domain (ECD) of human HER-2/neu
US-09-854-356-3

Query Match      82.1%; Score 1878; DB 10; Length 653;
Best Local Similarity 83.0%; Pred. No. 1,1e-147;
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5

QY      1  MELAALCWGILLALLPPGAASVQVCTGTDMLRLPASPEFTHLMLRHLYOGCQVYQGNL 60
DB      1  MELAALCWGILLALLPPGAASVQVCTGTDMLRLPASPEFTHLMLRHLYOGCQVYQGNL 60

QY      61  ELTYLPTNASLSFLQDIOEVQGYVLIANNQVQVPELQRLIRIVRGTOLEFEDNYALAVLNG 120
DB      61  ELTYLPTNASLSFLQDIOEVQGYVLIANNQVQVPELQRLIRIVRGTOLEFEDNYALAVLNG 120

QY      121  DPLNNTPTVTCASPGGLRELOLRSLTELKGSVLQRRNPOLCYODTILMKDIFHNQOLA 180
DB      121  DPLNNTPTVTCASPGGLRELOLRSLTELKGSVLQRRNPOLCYODTILMKDIFHNQOLA 180

QY      181  LTLIDNRSRACHPCSPCKSGSRGGESEDDQSLIRIVCAGGACRCKGPLPTDCHEQC 240
DB      181  LTLIDNRSRACHPCSPCKSGSRGGESEDDQSLIRIVCAGGACRCKGPLPTDCHEQC 240

QY      241  AAGCTGPKHSDCLACLFHNHSGICELCPALVYVTFDIFESMPNDEGRYTFGASCVTACP 300
DB      241  AAGCTGPKHSDCLACLFHNHSGICELCPALVYVTFDIFESMPNDEGRYTFGASCVTACP 300

QY      301  YNYISTDVGSCTIVCPHNOEFTADGTHORCEKSKPCAR-----GTSHSLPRPAAYVP 355
DB      301  YNYISTDVGSCTIVCPHNOEFTADGTHORCEKSKPCAR-----GTSHSLPRPAAYVP 355

QY      361  LRMPQG--PAHPVLSFLRPSMDLVSAFYSLEPLAPLSPTSVPI-----SPVSVGRGPD 405
DB      361  LRMPQG--PAHPVLSFLRPSMDLVSAFYSLEPLAPLSPTSVPI-----SPVSVGRGPD 405

QY      406  IQEAGGCKKIRIGSLAFLEPSEFDGDPASNT---APLQPPQLQVFTLEETIGLYISAMPD 417
DB      406  IQEAGGCKKIRIGSLAFLEPSEFDGDPASNT---APLQPPQLQVFTLEETIGLYISAMPD 417

QY      418  SLPLSLSVFQNQLQVIRG 433
DB      418  SLPLSLSVFQNQLQVIRG 433

RESULT 4
US-09-854-356-7
; Sequence 7, Application US/09854356
; Patent No. US20020175567A1
; GENERAL INFORMATION:

```

```

; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/854,356
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 7
; LENGTH: 712
; TYPE: PRF
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: fusion protein
; OTHER INFORMATION: of ECD and delta PD of human HER-2/neu
US-09-854-356-7

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Query Match      82.1%; Score 1878; DB 10; Length 712;
Best Local Similarity 83.0%; Pred. No. 1.2e-147;
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

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QY 1 MELALCRWGLLALLPPGAATGYCTGDMKRLPASPETHLDMRLHLYGCGVYQGNL 60
DB 1 MELALCRWGLLALLPPGAATGYCTGDMKRLPASPETHLDMRLHLYGCGVYQGNL 60
QY 61 ELTYLPTNASTSLFLDIOEVQGYVLIANHQRQVPLQRLRIYRGTLQFEDNYALAVLNG 120
DB 61 ELTYLPTNASTSLFLDIOEVQGYVLIANHQRQVPLQRLRIYRGTLQFEDNYALAVLNG 120
QY 121 DPLNNTPTVGTGASPGGLRELQRLSLTEILKGVLLIQRNPOLCYODTIILMKDIFHNNOIA 180
DB 121 DPLNNTPTVGTGASPGGLRELQRLSLTEILKGVLLIQRNPOLCYODTIILMKDIFHNNOIA 180
QY 181 LFLIDTNRBRACHPCSPMKGSRGWSESDCOSLTRVCAGGACARCKGPLTDCCHQC 240
DB 181 LFLIDTNRBRACHPCSPMKGSRGWSESDCOSLTRVCAGGACARCKGPLTDCCHQC 240
QY 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMPNEGRTTFGASCVTACP 300
DB 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMPNEGRTTFGASCVTACP 300
QY 301 YNYLSTDVGSCTLVCPPLHNOEYTAEDGTQRCCKSKPCAR-----GTHSLPRPAVPVP 355
DB 301 YNYLSTDVGSCTLVCPPLHNOEYTAEDGTQRCCKSKPCARCYGLMEHLREVRVTSAN 360
QY 356 LRMQGG--PAHNVLSFLRPSMDLVSAFSLPLAPLSPTSVPI-----SPVSVGRGPD 405
DB 361 IOEFGACKKIFISLAFLEPSFGDPRASNT---APLOPQLOVFEIIEETGLIYISAMPD 417
QY 406 --PDAHVAVNLSTRYEG 419
DB 418 SLPDLVSFQNLQVIRG 433

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RESULT 5
US-09-854-356-6
; Sequence 6, Application US/09854356
; Patent No. US20020177567A1
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/854,356
; CURRENT FILING DATE: 2001-05-09

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; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 6
; LENGTH: 919
; TYPE: PRF
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: fusion protein
; OTHER INFORMATION: of ECD and PD of human HER-2/neu
US-09-854-356-6

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Query Match      82.1%; Score 1878; DB 10; Length 919;
Best Local Similarity 83.0%; Pred. No. 1.6e-147;
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

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QY 1 MELALCRWGLLALLPPGAATGYCTGDMKRLPASPETHLDMRLHLYGCGVYQGNL 60
DB 1 MELALCRWGLLALLPPGAATGYCTGDMKRLPASPETHLDMRLHLYGCGVYQGNL 60
QY 61 ELTYLPTNASTSLFLDIOEVQGYVLIANHQRQVPLQRLRIYRGTLQFEDNYALAVLNG 120
DB 61 ELTYLPTNASTSLFLDIOEVQGYVLIANHQRQVPLQRLRIYRGTLQFEDNYALAVLNG 120
QY 121 DPLNNTPTVGTGASPGGLRELQRLSLTEILKGVLLIQRNPOLCYODTIILMKDIFHNNOIA 180
DB 121 DPLNNTPTVGTGASPGGLRELQRLSLTEILKGVLLIQRNPOLCYODTIILMKDIFHNNOIA 180
QY 181 LFLIDTNRBRACHPCSPMKGSRGWSESDCOSLTRVCAGGACARCKGPLTDCCHQC 240
DB 181 LFLIDTNRBRACHPCSPMKGSRGWSESDCOSLTRVCAGGACARCKGPLTDCCHQC 240
QY 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMPNEGRTTFGASCVTACP 300
DB 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMPNEGRTTFGASCVTACP 300
QY 301 YNYLSTDVGSCTLVCPPLHNOEYTAEDGTQRCCKSKPCAR-----GTHSLPRPAVPVP 355
DB 301 YNYLSTDVGSCTLVCPPLHNOEYTAEDGTQRCCKSKPCARCYGLMEHLREVRVTSAN 360
QY 356 LRMQGG--PAHNVLSFLRPSMDLVSAFSLPLAPLSPTSVPI-----SPVSVGRGPD 405
DB 361 IOEFGACKKIFISLAFLEPSFGDPRASNT---APLOPQLOVFEIIEETGLIYISAMPD 417
QY 406 --PDAHVAVNLSTRYEG 419
DB 418 SLPDLVSFQNLQVIRG 433

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RESULT 6
US-10-146-473-72
; Sequence 72, Application US/10146473
; Publication No. US2003010888A1
; GENERAL INFORMATION:
; APPLICANT: Scanlan, Matthew
; APPLICANT: Gout, Ivan
; APPLICANT: Stockert, Elisabeth
; APPLICANT: Gure, Ali
; APPLICANT: Chen, Yao-Tseng
; APPLICANT: Old, Lloyd
; TITLE OF INVENTION: Breast Cancer Antigens
; FILE REFERENCE: L00461/70130(GRV)
; CURRENT APPLICATION NUMBER: US/10/146,473
; CURRENT FILING DATE: 2002-05-15
; PRIOR APPLICATION NUMBER: US 60/291,150
; PRIOR FILING DATE: 2001-05-15
; NUMBER OF SEQ ID NOS: 82
; SOFTWARE: Patent In version 3.0
; SEQ ID NO 72
; LENGTH: 1253

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TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-146-473-72

Query Match 82.1%; Score 1878; DB 15; Length 1253;  
Best Local Similarity 83.0%; Pred. No. 2.4e-147;  
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELALACRMGILLALLPPGAASSTOYCTGTDKMLRLPASPEHLDMLRHLRYGCGVYVGNL 60  
DB 1 MELALACRMGILLALLPPGAASSTOYCTGTDKMLRLPASPEHLDMLRHLRYGCGVYVGNL 60  
QY 61 ETTYLPNASLSFLDIOEVGYVLIANNOYRQVPLQRLRYRGTLQFEDNYALAVLDNG 120  
DB 61 ETTYLPNASLSFLDIOEVGYVLIANNOYRQVPLQRLRYRGTLQFEDNYALAVLDNG 120  
QY 121 DPLNNTTPTVGTASPGGLRELOLRSLTELKGGVLIQRNPOLCYODTILMKDIFHKNNOLA 180  
DB 121 DPLNNTTPTVGTASPGGLRELOLRSLTELKGGVLIQRNPOLCYODTILMKDIFHKNNOLA 180  
QY 181 LTLIDTNSRACHPCSPCKGSRGCGESSEDCQSLTRTVACAGCARCKGPLEPTDCCHQC 240  
DB 181 LTLIDTNSRACHPCSPCKGSRGCGESSEDCQSLTRTVACAGCARCKGPLEPTDCCHQC 240  
QY 241 AAGCTGPRHSDCLACLFHNHSGICELHCPALVYNTDTFESMPNDEGRYTFGASCVTACP 300  
DB 241 AAGCTGPRHSDCLACLFHNHSGICELHCPALVYNTDTFESMPNDEGRYTFGASCVTACP 300  
QY 301 YNYLSTDVSGCTLVCPHNOEYTAEDGTORCEKSKPCAR-----GTHSLPRAAVVP 355  
DB 301 YNYLSTDVSGCTLVCPHNOEYTAEDGTORCEKSKPCAR-----GTHSLPRAAVVP 355  
QY 361 LRMOPG--PAHPVLSFLRPSMDVSAFYSLPLAPLSPTSVPI-----SPVSYGRGPD 405  
DB 361 LRMOPG--PAHPVLSFLRPSMDVSAFYSLPLAPLSPTSVPI-----SPVSYGRGPD 405  
QY 406 --PDAHVAVNLSRYEG 419  
DB 418 SLPLDSVFQNLQVIRG 433

## RESULT 7

US-09-811-123-9  
Sequence 9, Application US/09811123  
Patent No. US2002001587A1  
GENERAL INFORMATION:  
APPLICANT: Sharon Erickson  
APPLICANT: Mark Sliwkowski  
TITLE OF INVENTION: METHODS OF TREATMENT USING ANTI-ERBB  
TITLE OF INVENTION: ANTIBODY-MATRIANSINOID CONJUGATES  
FILE REFERENCE: GENEENT.073A2  
CURRENT APPLICATION NUMBER: US/09/811.123  
CURRENT FILING DATE: 2001-03-16  
PRIOR APPLICATION NUMBER: 60/238.327  
PRIOR FILING DATE: 2000-10-05  
PRIOR APPLICATION NUMBER: 09/602.530  
PRIOR FILING DATE: 2000-06-23  
NUMBER OF SEQ ID NOS: 11  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 9  
LENGTH: 1255  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-811-123-9

Query Match 82.1%; Score 1878; DB 9; Length 1255;  
Best Local Similarity 83.0%; Pred. No. 2.4e-147;  
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;  
QY 1 MELALACRMGILLALLPPGAASSTOYCTGTDKMLRLPASPEHLDMLRHLRYGCGVYVGNL 60  
DB 1 MELALACRMGILLALLPPGAASSTOYCTGTDKMLRLPASPEHLDMLRHLRYGCGVYVGNL 60

QY 61 ETTYLPNASLSFLDIOEVGYVLIANNOYRQVPLQRLRYRGTLQFEDNYALAVLDNG 120  
DB 61 ETTYLPNASLSFLDIOEVGYVLIANNOYRQVPLQRLRYRGTLQFEDNYALAVLDNG 120  
QY 121 DPLNNTTPTVGTASPGGLRELOLRSLTELKGGVLIQRNPOLCYODTILMKDIFHKNNOLA 180  
DB 121 DPLNNTTPTVGTASPGGLRELOLRSLTELKGGVLIQRNPOLCYODTILMKDIFHKNNOLA 180  
QY 181 LTLIDTNSRACHPCSPCKGSRGCGESSEDCQSLTRTVACAGCARCKGPLEPTDCCHQC 240  
DB 181 LTLIDTNSRACHPCSPCKGSRGCGESSEDCQSLTRTVACAGCARCKGPLEPTDCCHQC 240  
QY 241 AAGCTGPRHSDCLACLFHNHSGICELHCPALVYNTDTFESMPNDEGRYTFGASCVTACP 300  
DB 241 AAGCTGPRHSDCLACLFHNHSGICELHCPALVYNTDTFESMPNDEGRYTFGASCVTACP 300  
QY 301 YNYLSTDVSGCTLVCPHNOEYTAEDGTORCEKSKPCAR-----GTHSLPRAAVVP 355  
DB 301 YNYLSTDVSGCTLVCPHNOEYTAEDGTORCEKSKPCAR-----GTHSLPRAAVVP 355  
QY 361 LRMOPG--PAHPVLSFLRPSMDVSAFYSLPLAPLSPTSVPI-----SPVSYGRGPD 405  
DB 361 LRMOPG--PAHPVLSFLRPSMDVSAFYSLPLAPLSPTSVPI-----SPVSYGRGPD 405  
QY 406 --PDAHVAVNLSRYEG 419  
DB 418 SLPLDSVFQNLQVIRG 433

## RESULT 8

US-09-811-115-3  
Sequence 3, Application US/09811115  
Patent No. US20020035736A1  
GENERAL INFORMATION:  
APPLICANT: Erickson, Sharon  
APPLICANT: Schwall, Ralph  
TITLE OF INVENTION: HER-2 TRANSGENIC NON-HUMAN TUMOR MODEL  
FILE REFERENCE: GENEENT.034A  
CURRENT APPLICATION NUMBER: US/09/811.115  
CURRENT FILING DATE: 2001-03-16  
PRIOR APPLICATION NUMBER: 60/189.844  
PRIOR FILING DATE: 2000-03-16  
NUMBER OF SEQ ID NOS: 4  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 3  
LENGTH: 1255  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-811-115-3

Query Match 82.1%; Score 1878; DB 9; Length 1255;  
Best Local Similarity 83.0%; Pred. No. 2.4e-147;  
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELALACRMGILLALLPPGAASSTOYCTGTDKMLRLPASPEHLDMLRHLRYGCGVYVGNL 60  
DB 1 MELALACRMGILLALLPPGAASSTOYCTGTDKMLRLPASPEHLDMLRHLRYGCGVYVGNL 60  
QY 61 ETTYLPNASLSFLDIOEVGYVLIANNOYRQVPLQRLRYRGTLQFEDNYALAVLDNG 120  
DB 61 ETTYLPNASLSFLDIOEVGYVLIANNOYRQVPLQRLRYRGTLQFEDNYALAVLDNG 120  
QY 121 DPLNNTTPTVGTASPGGLRELOLRSLTELKGGVLIQRNPOLCYODTILMKDIFHKNNOLA 180  
DB 121 DPLNNTTPTVGTASPGGLRELOLRSLTELKGGVLIQRNPOLCYODTILMKDIFHKNNOLA 180  
QY 181 LTLIDTNSRACHPCSPCKGSRGCGESSEDCQSLTRTVACAGCARCKGPLEPTDCCHQC 240  
DB 181 LTLIDTNSRACHPCSPCKGSRGCGESSEDCQSLTRTVACAGCARCKGPLEPTDCCHQC 240  
QY 241 AAGCTGPRHSDCLACLFHNHSGICELHCPALVYNTDTFESMPNDEGRYTFGASCVTACP 300  
DB 241 AAGCTGPRHSDCLACLFHNHSGICELHCPALVYNTDTFESMPNDEGRYTFGASCVTACP 300

Db 418 SLPDLVFQNLQVIRG 433

241 AAGCTGPKHSDCLACIHFHNSGICELHCPALVTYNTDFESMPNEGRTYFCASCVTACP 300

QY 301 YNYLSTDVGSCTLVCPPLHNOEYTAEDGTORCEKSKPCAR-----GTHSLLRPAAYVP 355

Db 301 YNYLSTDVGSCTLVCPPLHNOEYTAEDGTORCEKSKPCARVCGYGLGMEHLREVRVTSAN 360

QY 356 LRMOPG--PAHPVLSFLRPSMDLVSAFYSLPLAPLSPTSVPI-----SPVSVGRGPD 405

Db 361 IOEFGCKKIFGSLAFIPESFPGDPAASNT---APLQPELDQVFETLEETIGLYISAMPD 417

QY 406 --PDAAHVAVNLSRYEG 419

Db 418 SLPDLVFQNLQVIRG 433

RESULT 9

US-09-769-508-2

; Sequence 2, Application US/09769508

; Patent No. US2002015527A1

; GENERAL INFORMATION:

; APPLICANT: STUART, SUSAN G.

; APPLICANT: MONAHAN, JOHN J.

; APPLICANT: LANGSTON, BEATRICE CLAUDIA

; APPLICANT: HANCOCK, MIRIAM E.C.

; APPLICANT: CHAO, LORRINE A.

; APPLICANT: BLUFORD, PETER

; TITLE OF INVENTION: C-ERBB-2 EXTERNAL DOMAIN: GP75

; FILE REFERENCE: BEBIO-111-C1

; CURRENT APPLICATION NUMBER: US/09/769,508

; CURRENT FILING DATE: 2001-01-26

; NUMBER OF SEQ ID NOS: 2

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 2

; LENGTH: 1255

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-769-508-2

Query Match 82.1%; Score 1878; DB 10; Length 1255;

Best Local Similarity 83.0%; Pred. No. 2.4e-147;

Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLLALLPGAASTOYCTGTDMLRLPASPETHLDMRLHLYOCQVVGNTL 60

Db 1 MELAALCRWGLLLALLPGAASTOYCTGTDMLRLPASPETHLDMRLHLYOCQVVGNTL 60

QY 61 ELTYIPTNASLSFLDDIQEVQGYVLIANNOVQVPLQRLRYRGQVLPEDNTALAVLNDG 120

Db 61 ELTYIPTNASLSFLDDIQEVQGYVLIANNOVQVPLQRLRYRGQVLPEDNTALAVLNDG 120

QY 121 DPLNNTTPTVGTASPGGLRELQRLSLTEILKGGVLIQORNPOLCYOTIILMKDIFHNNOLA 180

Db 121 DPLNNTTPTVGTASPGGLRELQRLSLTEILKGGVLIQORNPOLCYOTIILMKDIFHNNOLA 180

QY 181 LTLIDTNSRACHPCSPCKGRSGESSEDCOSLTRVCAGGACARCKGPLETDCCHQC 240

Db 181 LTLIDTNSRACHPCSPCKGRSGESSEDCOSLTRVCAGGACARCKGPLETDCCHQC 240

QY 241 AAGCTGPKHSDCLACIHFHNSGICELHCPALVTYNTDFESMPNEGRTYFCASCVTACP 300

Db 241 AAGCTGPKHSDCLACIHFHNSGICELHCPALVTYNTDFESMPNEGRTYFCASCVTACP 300

QY 301 YNYLSTDVGSCTLVCPPLHNOEYTAEDGTORCEKSKPCAR-----GTHSLLRPAAYVP 355

Db 301 YNYLSTDVGSCTLVCPPLHNOEYTAEDGTORCEKSKPCARVCGYGLGMEHLREVRVTSAN 360

QY 356 LRMOPG--PAHPVLSFLRPSMDLVSAFYSLPLAPLSPTSVPI-----SPVSVGRGPD 405

Db 361 IOEFGCKKIFGSLAFIPESFPGDPAASNT---APLQPELDQVFETLEETIGLYISAMPD 417

QY 406 --PDAAHVAVNLSRYEG 419

Db 418 SLPDLVFQNLQVIRG 433

RESULT 10

US-09-854-356-1

; Sequence 1, Application US/09854356

; Patent No. US20020177567A1

; GENERAL INFORMATION:

; APPLICANT: Cheever, Martin A.

; APPLICANT: Cheyzen, Dirk

; APPLICANT: Corixa Corporation

; APPLICANT: SmithKline Beecham Biologicals S. A.

; TITLE OF INVENTION: HER-2/neu Fusion Proteins

; FILE REFERENCE: 014058-009810PC

; CURRENT APPLICATION NUMBER: US/09/854,356

; CURRENT FILING DATE: 2001-05-09

; PRIOR APPLICATION NUMBER: US 09/493,480

; PRIOR FILING DATE: 2000-01-28

; PRIOR APPLICATION NUMBER: US 60/117,976

; PRIOR FILING DATE: 1999-01-29

; NUMBER OF SEQ ID NOS: 26

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 1

; LENGTH: 1255

; TYPE: PRT

; ORGANISM: Homo sapiens

FEATURE:

OTHER INFORMATION: human HER-2/neu protein

NAME/KEY: DOMAIN

LOCATION: (1)..(653)

OTHER INFORMATION: extracellular domain (ECD)

NAME/KEY: DOMAIN

LOCATION: (676)..(1255)

OTHER INFORMATION: intracellular domain (ICD)

NAME/KEY: DOMAIN

LOCATION: (990)..(1255)

OTHER INFORMATION: phosphorylation domain (PD)

NAME/KEY: DOMAIN

LOCATION: (990)..(1048)

OTHER INFORMATION: fragment of the phosphorylation domain, preferred

OTHER INFORMATION: portion (delta PD)

US-09-854-356-1

Query Match 82.1%; Score 1878; DB 10; Length 1255;

Best Local Similarity 83.0%; Pred. No. 2.4e-147;

Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLLALLPGAASTOYCTGTDMLRLPASPETHLDMRLHLYOCQVVGNTL 60

Db 1 MELAALCRWGLLLALLPGAASTOYCTGTDMLRLPASPETHLDMRLHLYOCQVVGNTL 60

QY 61 ELTYIPTNASLSFLDDIQEVQGYVLIANNOVQVPLQRLRYRGQVLPEDNTALAVLNDG 120

Db 61 ELTYIPTNASLSFLDDIQEVQGYVLIANNOVQVPLQRLRYRGQVLPEDNTALAVLNDG 120

QY 121 DPLNNTTPTVGTASPGGLRELQRLSLTEILKGGVLIQORNPOLCYOTIILMKDIFHNNOLA 180

Db 121 DPLNNTTPTVGTASPGGLRELQRLSLTEILKGGVLIQORNPOLCYOTIILMKDIFHNNOLA 180

QY 181 LTLIDTNSRACHPCSPCKGRSGESSEDCOSLTRVCAGGACARCKGPLETDCCHQC 240

Db 181 LTLIDTNSRACHPCSPCKGRSGESSEDCOSLTRVCAGGACARCKGPLETDCCHQC 240

QY 241 AAGCTGPKHSDCLACIHFHNSGICELHCPALVTYNTDFESMPNEGRTYFCASCVTACP 300

Db 241 AAGCTGPKHSDCLACIHFHNSGICELHCPALVTYNTDFESMPNEGRTYFCASCVTACP 300

QY 301 YNYLSTDVGSCTLVCPPLHNOEYTAEDGTORCEKSKPCAR-----GTHSLLRPAAYVP 355

Db 301 YNYLSTDVGSCTLVCPPLHNOEYTAEDGTORCEKSKPCARVCGYGLGMEHLREVRVTSAN 360

QY 356 LRMOPG--PAHPVLSFLRPSMDLVSAFYSLPLAPLSPTSVPI-----SPVSVGRGPD 405

Db 361 IOEFAGCKKIFGSLAFLESFDDGPASNT---APLOPQLOVFEETLEITGYLXISAMPD 417  
 QY 406 --PDAHVAVNLSRYEG 419  
 Db 418 SLPLDSVFQNLQVING 433

## RESULT 11

US-09-930-125-2  
 ; Sequence 2, Application US/09930125  
 ; Publication No. US20020193329A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hand-Zimmerman, Susan  
 ; APPLICANT: Cheever, Martin A.  
 ; APPLICANT: Foy, Teresa M.  
 ; APPLICANT: Lodes, Michael J.  
 ; APPLICANT: Kalos, Michael D.  
 ; APPLICANT: McNeill, Patricia D.  
 ; APPLICANT: Vedic, Thomas S.  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND DIAGNOSIS  
 ; FILE REFERENCE: 210121.544  
 ; CURRENT APPLICATION NUMBER: US/09/930.125  
 ; CURRENT FILING DATE: 2001-08-14  
 ; NUMBER OF SEQ ID NOS: 25  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 2  
 ; LENGTH: 1255  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapien  
 ; US-09-930-125-2

Query Match 82.1%; Score 1878; DB 10; Length 1255;

Best Local Similarity 83.0%; Pred. No. 2.4e-147;  
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 METALCRWGILLALLPPGAASCTGCTGDMKRLRPASPEHLDMLRHLHYGCGVQGNL 60  
 Db 1 METALCRWGILLALLPPGAASCTGCTGDMKRLRPASPEHLDMLRHLHYGCGVQGNL 60  
 QY 61 ELTYLPTNASLSFLDIOEVGYVLIANOVROYVLORLRYRGTOLEFEDNYALAVLDNG 120  
 Db 61 ELTYLPTNASLSFLDIOEVGYVLIANOVROYVLORLRYRGTOLEFEDNYALAVLDNG 120  
 QY 121 DPLNNTTGYTASPGGLRELDRLSLTEILKGVLQIRNPOLCYOTIIMKDIFFHKNOLA 180  
 Db 121 DPLNNTTGYTASPGGLRELDRLSLTEILKGVLQIRNPOLCYOTIIMKDIFFHKNOLA 180  
 QY 181 LTLIDTNSRACHPCSPCKGSRGCESESDQSLTRTVACAGCARCKGPLEPTDCCHQC 240  
 Db 181 LTLIDTNSRACHPCSPCKGSRGCESESDQSLTRTVACAGCARCKGPLEPTDCCHQC 240  
 QY 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMPNDEGRYTGASCVTACP 300  
 Db 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMPNDEGRYTGASCVTACP 300  
 QY 301 YNYLSTDVGSCITVCPPLNNOEYTAEDGTORCEKCKPCARVCYGLGMEHLREAVAVTSAN 360  
 Db 301 YNYLSTDVGSCITVCPPLNNOEYTAEDGTORCEKCKPCARVCYGLGMEHLREAVAVTSAN 360  
 QY 361 LRMOPG--PAHPVLSFLRPSMDVLSAFYSLPLAPLSPTSVPI-----SPVSYGRGPD 405  
 Db 361 IOEFAGCKKIFGSLAFLESFDDGPASNT---APLOPQLOVFEETLEITGYLXISAMPD 417  
 QY 406 --PDAHVAVNLSRYEG 419  
 Db 418 SLPLDSVFQNLQVING 433

RESULT 12  
 US-09-441-411-6  
 ; Sequence 6, Application US/09441411  
 ; Publication No. US20030008342A1

; GENERAL INFORMATION:  
 ; APPLICANT: Scholler, Nathalie B.  
 ; APPLICANT: Disis, Mary L.  
 ; APPLICANT: Hellstrom, Ingegerd  
 ; APPLICANT: Hellstrom, Karl Erik  
 ; TITLE OF INVENTION: SURFACE RECEPTOR ANTIGEN VACCINES  
 ; FILE REFERENCE: 730033.409  
 ; CURRENT APPLICATION NUMBER: US/09/441.411  
 ; CURRENT FILING DATE: 1999-11-16  
 ; NUMBER OF SEQ ID NOS: 26  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 6  
 ; LENGTH: 1255  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-09-441-411-6

Query Match 82.1%; Score 1878; DB 11; Length 1255;

Best Local Similarity 83.0%; Pred. No. 2.4e-147;  
 Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 METALCRWGILLALLPPGAASCTGCTGDMKRLRPASPEHLDMLRHLHYGCGVQGNL 60  
 Db 1 METALCRWGILLALLPPGAASCTGCTGDMKRLRPASPEHLDMLRHLHYGCGVQGNL 60  
 QY 61 ELTYLPTNASLSFLDIOEVGYVLIANOVROYVLORLRYRGTOLEFEDNYALAVLDNG 120  
 Db 61 ELTYLPTNASLSFLDIOEVGYVLIANOVROYVLORLRYRGTOLEFEDNYALAVLDNG 120  
 QY 121 DPLNNTTGYTASPGGLRELDRLSLTEILKGVLQIRNPOLCYOTIIMKDIFFHKNOLA 180  
 Db 121 DPLNNTTGYTASPGGLRELDRLSLTEILKGVLQIRNPOLCYOTIIMKDIFFHKNOLA 180  
 QY 181 LTLIDTNSRACHPCSPCKGSRGCESESDQSLTRTVACAGCARCKGPLEPTDCCHQC 240  
 Db 181 LTLIDTNSRACHPCSPCKGSRGCESESDQSLTRTVACAGCARCKGPLEPTDCCHQC 240  
 QY 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMPNDEGRYTGASCVTACP 300  
 Db 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMPNDEGRYTGASCVTACP 300  
 QY 301 YNYLSTDVGSCITVCPPLNNOEYTAEDGTORCEKCKPCARVCYGLGMEHLREAVAVTSAN 360  
 Db 301 YNYLSTDVGSCITVCPPLNNOEYTAEDGTORCEKCKPCARVCYGLGMEHLREAVAVTSAN 360  
 QY 361 LRMOPG--PAHPVLSFLRPSMDVLSAFYSLPLAPLSPTSVPI-----SPVSYGRGPD 405  
 Db 361 IOEFAGCKKIFGSLAFLESFDDGPASNT---APLOPQLOVFEETLEITGYLXISAMPD 417  
 QY 406 --PDAHVAVNLSRYEG 419  
 Db 418 SLPLDSVFQNLQVING 433

RESULT 13  
 US-10-207-498-6

; Sequence 6, Application US/10207498  
 ; Publication No. US20030143568A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Elizabeth Singer  
 ; APPLICANT: Ralf Landgraf  
 ; APPLICANT: Dennis J. Slamon  
 ; APPLICANT: David Eisenberg  
 ; TITLE OF INVENTION: METHODS AND MATERIALS FOR CHARACTERIZING  
 ; FILE REFERENCE: 30448.103-US-01  
 ; CURRENT APPLICATION NUMBER: US/10/207.498  
 ; CURRENT FILING DATE: 2002-07-29  
 ; PRIOR APPLICATION NUMBER: 60/308.431  
 ; NUMBER OF SEQ ID NOS: 24  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 6



LENGTH: 1255  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-207-498-6

Query Match 82.1%; Score 1878; DB 12; Length 1255;  
Best Local Similarity 83.0%; Pred. No. 2,4e-147;  
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLALLPPGAASVCTGTGDMKRLRPASPTHLDMLRHLRYGCGVYQGNL 60  
DB 1 MELAALCRWGLLALLPPGAASVCTGTGDMKRLRPASPTHLDMLRHLRYGCGVYQGNL 60  
QY 61 ELTYLPTNASISFLDIOEVQGYVLIANNOVQVPLQRLRIYRGQLFEDNALAVLNDG 120  
DB 61 ELTYLPTNASISFLDIOEVQGYVLIANNOVQVPLQRLRIYRGQLFEDNALAVLNDG 120  
QY 121 DPLNNTTPTVGTASPGGLRELQRLSLTEILKGGVLIQRNQOLCYODTIIMKDIFFHKNNOIA 180  
DB 121 DPLNNTTPTVGTASPGGLRELQRLSLTEILKGGVLIQRNQOLCYODTIIMKDIFFHKNNOIA 180  
QY 181 LTLIDTNSRACHPCSPMCKSGRCWGESSEDCQSLTRYCAGGACARCKGRLPTDCHBQC 240  
DB 181 LTLIDTNSRACHPCSPMCKSGRCWGESSEDCQSLTRYCAGGACARCKGRLPTDCHBQC 240  
QY 241 AAGCTGPKHSDCLACLFHNHSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300  
DB 241 AAGCTGPKHSDCLACLFHNHSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300  
QY 301 YNYLSTDVGSCITVCPPLHNOEYTAEDGTQRCCKSPCARVYCYGLGMEHLREVRAVTSAN 360  
DB 301 YNYLSTDVGSCITVCPPLHNOEYTAEDGTQRCCKSPCARVYCYGLGMEHLREVRAVTSAN 360  
QY 361 LRMQGG--PAHPVLSFLRPSMDLVSIFYSLPLAPLSPTSVPY-----SPVSYGRGPD 405  
DB 361 LRMQGG--PAHPVLSFLRPSMDLVSIFYSLPLAPLSPTSVPY-----SPVSYGRGPD 405  
QY 406 --PDAHVAVNLSTRYEG 419  
DB 406 --PDAHVAVNLSTRYEG 419  
QY 418 SLPLDSVFNQLQVIRG 433  
DB 418 SLPLDSVFNQLQVIRG 433

## RESULT 14

US-10-338-730-2  
Sequence 2, Application US/10338730  
Publication No. US20030147905A1

GENERAL INFORMATION:  
APPLICANT: Genzyme Corporation  
APPLICANT: Nicolette, Charles A.  
TITLE OF INVENTION: THERAPEUTIC COMPOUNDS  
FILE REFERENCE: 5017C  
CURRENT APPLICATION NUMBER: US/10/338,730  
PRIOR APPLICATION NUMBER: US 09/527,487  
PRIOR FILING DATE: 2002-03-16  
NUMBER OF SEQ ID NOS: 10  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 2  
LENGTH: 1255  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-338-730-2

Query Match 82.1%; Score 1878; DB 12; Length 1255;

Best Local Similarity 83.0%; Pred. No. 2,4e-147;  
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLALLPPGAASVCTGTGDMKRLRPASPTHLDMLRHLRYGCGVYQGNL 60  
DB 1 MELAALCRWGLLALLPPGAASVCTGTGDMKRLRPASPTHLDMLRHLRYGCGVYQGNL 60  
QY 61 ELTYLPTNASISFLDIOEVQGYVLIANNOVQVPLQRLRIYRGQLFEDNALAVLNDG 120  
DB 61 ELTYLPTNASISFLDIOEVQGYVLIANNOVQVPLQRLRIYRGQLFEDNALAVLNDG 120

DB 61 ELTYLPTNASISFLDIOEVQGYVLIANNOVQVPLQRLRIYRGQLFEDNALAVLNDG 120  
QY 121 DPLNNTTPTVGTASPGGLRELQRLSLTEILKGGVLIQRNQOLCYODTIIMKDIFFHKNNOIA 180  
DB 121 DPLNNTTPTVGTASPGGLRELQRLSLTEILKGGVLIQRNQOLCYODTIIMKDIFFHKNNOIA 180  
QY 181 LTLIDTNSRACHPCSPMCKSGRCWGESSEDCQSLTRYCAGGACARCKGRLPTDCHBQC 240  
DB 181 LTLIDTNSRACHPCSPMCKSGRCWGESSEDCQSLTRYCAGGACARCKGRLPTDCHBQC 240  
QY 241 AAGCTGPKHSDCLACLFHNHSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300  
DB 241 AAGCTGPKHSDCLACLFHNHSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300  
QY 301 YNYLSTDVGSCITVCPPLHNOEYTAEDGTQRCCKSPCARVYCYGLGMEHLREVRAVTSAN 360  
DB 301 YNYLSTDVGSCITVCPPLHNOEYTAEDGTQRCCKSPCARVYCYGLGMEHLREVRAVTSAN 360  
QY 361 LRMQGG--PAHPVLSFLRPSMDLVSIFYSLPLAPLSPTSVPY-----SPVSYGRGPD 405  
DB 361 LRMQGG--PAHPVLSFLRPSMDLVSIFYSLPLAPLSPTSVPY-----SPVSYGRGPD 405  
QY 406 --PDAHVAVNLSTRYEG 419  
DB 406 --PDAHVAVNLSTRYEG 419  
QY 418 SLPLDSVFNQLQVIRG 433  
DB 418 SLPLDSVFNQLQVIRG 433

## RESULT 15

US-10-313-644-2  
Sequence 2, Application US/10313644  
Publication No. US20030157119A1

GENERAL INFORMATION:  
APPLICANT: Cheever, Alexander  
APPLICANT: Gaiger, Alexander  
APPLICANT: Hand, Zimmerman, Susan  
TITLE OF INVENTION: METHODS FOR DIAGNOSIS AND THERAPY OF HEMATOLOGICAL  
TITLE OF INVENTION: AND VIRUS-ASSOCIATED MALIGNANCIES  
FILE REFERENCE: 210121.483C3  
CURRENT APPLICATION NUMBER: US/10/313,644  
CURRENT FILING DATE: 2002-12-04  
NUMBER OF SEQ ID NOS: 5  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 2  
LENGTH: 1255  
TYPE: PRT  
ORGANISM: Homo sapien  
US-10-313-644-2

Query Match 82.1%; Score 1878; DB 12; Length 1255;  
Best Local Similarity 83.0%; Pred. No. 2,4e-147;  
Matches 362; Conservative 9; Mismatches 45; Indels 20; Gaps 5;

QY 1 MELAALCRWGLLALLPPGAASVCTGTGDMKRLRPASPTHLDMLRHLRYGCGVYQGNL 60  
DB 1 MELAALCRWGLLALLPPGAASVCTGTGDMKRLRPASPTHLDMLRHLRYGCGVYQGNL 60  
QY 61 ELTYLPTNASISFLDIOEVQGYVLIANNOVQVPLQRLRIYRGQLFEDNALAVLNDG 120  
DB 61 ELTYLPTNASISFLDIOEVQGYVLIANNOVQVPLQRLRIYRGQLFEDNALAVLNDG 120  
QY 121 DPLNNTTPTVGTASPGGLRELQRLSLTEILKGGVLIQRNQOLCYODTIIMKDIFFHKNNOIA 180  
DB 121 DPLNNTTPTVGTASPGGLRELQRLSLTEILKGGVLIQRNQOLCYODTIIMKDIFFHKNNOIA 180  
QY 181 LTLIDTNSRACHPCSPMCKSGRCWGESSEDCQSLTRYCAGGACARCKGRLPTDCHBQC 240  
DB 181 LTLIDTNSRACHPCSPMCKSGRCWGESSEDCQSLTRYCAGGACARCKGRLPTDCHBQC 240  
QY 241 AAGCTGPKHSDCLACLFHNHSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300  
DB 241 AAGCTGPKHSDCLACLFHNHSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300  
QY 301 YNYLSTDVGSCITVCPPLHNOEYTAEDGTQRCCKSPCARVYCYGLGMEHLREVRAVTSAN 360  
DB 301 YNYLSTDVGSCITVCPPLHNOEYTAEDGTQRCCKSPCARVYCYGLGMEHLREVRAVTSAN 360

Db	301	YNLSTIDVGSCTLYCPLHNOEVTAEADGTQRCCKSPCARVCYGLGMEHLREVRAYTSAN	360
OY	356	LRMQPG--PAHPVLSFLRPSMDLVSAFYSLPLAPLSPTSVPI-----SPVSYGRGPD	405
Db	361	IQEFACCKKIFGSLAFLEPESFDGDPASNT---APLQPEQLQVFETLEETITGTYLISAMPD	417
OY	406	--PDAAVAVNLSRREG	419
Db	418	SLPDLVSFQNLQYIRG	433

Search completed: September 3, 2003, 16:49:12  
 Job time : 37.3373 secs